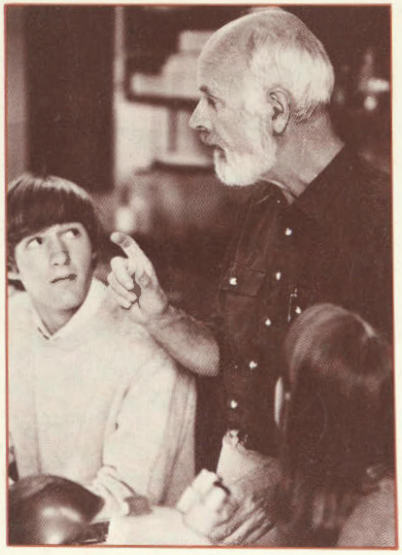
LAKE FOREST COLLEGE



1983/84 Bulletin

LAKE FOREST COLLEGE CALENDAR 1983-84

FALL TERM 1983

August 26	Faculty Conference
August 29	New Students Arrive
August 31	Registration
September 1	Classes Begin
September 5	Labor Day (classes held)
September 14	Last day for permissible change of registration.
September 14	Last day to register for credit/D/fail option.
October 26	Last day for approved withdrawal from a course with an automatic "W".
October 27	Mid-term grade report due
November 24	Thanksgiving (no classes)
November 25	No classes
December 9	Last Day of class
December 10-12	Reading days
December 13-17	Final Exams
December 18 - January 16	Winter Recess*

SPRING TERM 1984

January 15	New Students Arrive
January 16	Registration
January 17	Classes begin for first 7-1/2-week session and 15-week session.
January 23	Last day for permissible change of registration, and last day to register for credit/D/fail option in first 7-1/2-week session.
January 30	Last day for permissible change of registration, and last day to register for credit/D/fail option in 15-week session.
February 13	Last day for approved withdrawal from a course, with an automatic "W", in first 7-1/2-week session.
March 5	Classes end for first 7-1/2-week session.
March 6-7	Final Exams, first 7-1/2-week session.
March 10-18	Mid-Term Vacation**
March 19	Classes begin for second 7-1/2-week session. Classes resume for 15-week session.
March 19	Last day for approved withdrawal from a course with an automatic "W", in 15-week session.
March 21	Mid-term grade report due
March 23	Last day for permissible change of registration, and last day to register for credit/D/fail option in second 7-1/2-week session.
April 13	Last day for approved withdrawal from a course, with an automatic "W", for second 7-1/2-week session.
April 30	Classes end, 15-week session.
May 1-3	Reading Days, 15-week courses.
May 3	Classes end, second 7-1/2-week session.
May 4-9	Final Exams (including Saturday, May 5).
May 12	Commencement

*Residence halls and food services are *closed*.
**Residence halls open/food services are *closed*.

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LAKE FOREST COLLEGE

Bulletin for 1983-84

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Drawings by Hugh McMahon, Lake Forest

Lake Forest College — A Résumé

Lake Forest College is a community of people, brought together by choice and circumstance, whose common goal is to acquire, explore and evaluate human knowledge and culture, and whose common commitment is to the development of individuals for lives of leadership, service and personal fulfillment. Among the many elements which help the community to realize its goals are its rich academic offerings in the traditional liberal arts, its location amid the vast educational and vocational resources of greater metropolitan Chicago, and its stimulating human diversity of students and teachers. Lake Forest has chosen to be a small college where personal relationships are possible and often close among faculty and students. It is an environment in which students acquire both general knowledge and fundamental skills. They learn through study and experience to think accurately, to evaluate ideas, and to discriminate among values; and they are allowed to direct their studies, if they choose, toward particular careers.

Lake Forest enrolls approximately 1,000 students. It is independently governed, co-educational, and accredited at the undergraduate and the master's level. The 107-acre campus is in the township of Lake Forest on Chicago's North Shore.

While the primary goal of the College is to provide undergraduates with an excellent liberal arts education, Lake Forest has traditionally accepted the challenge of serving the needs of the community. The Continuing Education program and the Master of Liberal Studies program serve the educational needs of the North Shore Community, while the Wood Institute for Local and Regional Studies provides a public forum for the discussion of wider community concerns.

The campus is twenty-five miles north-east of O'Hare Airport via the Tri-State Tollway, about an hour on the airport bus, much less by car. Downtown Chicago is roughly the same distance away: the drive south on U.S. 41 and Interstate 94 (Edens and Kennedy Expressways) takes less than forty-five minutes; the more scenic route, following Sheridan Road along the lake shore, takes about an hour, as does the superb commuter railroad, The Chicago and Northwestern. The campus is a short walk or cab ride from the railroad station which is located in downtown Lake Forest.

The College's location gives it therefore the best of the suburban and the urban worlds. There is quiet, safety, cleanliness, and natural beauty

in Lake Forest, and the additional intellectual, cultural, and educational resources of the nation's second largest city are close by. Students and faculty have easy access to the libraries and personnel of Northwestern University, The University of Chicago, Chicago Circle Campus, The Art Institute, The Newberry Library, Chicago Public Library, and nearby Barat College. The Chicago Symphony, Lyric Opera, Goodman Theater, and the Museum of Contemporary Art are merely a few of the best known of literally scores of cultural institutions which make Chicago a national center of music, drama and art. The Museum of Science and Industry, Field Museum of Natural History, Adler Planetarium, Shedd Aquarium and Argonne National Laboratory are available to our students both informally and for some course work.

The Campus

Founded by visionary Presbyterians as Lind University in 1857, Lake Forest originally contained both a co-educational university and a secondary school. The latter, Lake Forest Academy, became a separate institution in the early 1900's and the university, which had hitherto offered both baccalaureate and advanced degrees, began to concentrate on a traditional undergraduate curriculum of the liberal arts. A number of buildings survive from the late 19th century period of the college's history. Moore Hall on the South Campus, now a residence hall, was then a part of Lake Forest Academy, as was North Hall on the Middle Campus, which is now the main administration building. Also on Middle Campus are Patterson Lodge, the admissions building which was named after the first president, the Reverend Robert Patterson, and College Hall where in 1876 post-secondary education at Lake Forest began. The North Campus took shape in the 1890's with the building of Durand Institute and the Lois Durand residence hall. Durand Institute, designed by Henry Ives Cobb, opened originally as a branch of the Art Institute of Chicago but it has been by turns a theatre, classroom and administration building. The newly renovated Durand Institute reopened in January of 1981 and returned to its original status as an art center, housing faculty offices, the Sonnenschein Gallery, studios, and lecture rooms for the Art Department, as well as classrooms, offices and seminar rooms for the Music and Philosophy Departments. Lois, as it is known, remains a residence hall, reserved for women students.

To the beginning of the College's second period of growth, the early 1900's, belong several buildings on the Middle Campus. Two of them have English Gothic exteriors: Reid Hall, the college's library until 1965, now a modernized classroom building; and the Lily Reid Holt Memorial Chapel with its windows of Tiffany glass. In October of 1982 an anonymous donor presented the College with a 49-bell electronic carillon (Century III), installed in the Lily Reid Holt Memorial Chapel, to

honor the accomplishments of President Eugene Hotchkiss.

The two Middle Campus residence halls, Harlan and Blackstone, were built in the English Tudor style, as was Durand Commons, with its beamed and oak-panelled hall. To this same period belongs Carnegie, a brick building with a Dutch Enlightenment façade, built to house the natural science departments.

In the 1960's a third building drive responded to the needs of an increasingly sophisticated faculty and curriculum, and an expanded student body. On Middle Campus in 1961 the science departments moved into a large new complex, the Johnson Science Center, which includes the circular Freeman Science Library. 1965 saw the completion of the Donnelley Library, to accommodate the growing collections of books, pamphlets, microfilm and manuscripts in the humanities and social sciences. At the same time a new large dining hall and cafeteria were added to Durand Commons, which became a coffee shop and lounge.

The early sixties also witnessed the development of South Campus, where Moore Hall (vacated by Lake Forest Academy in the 1940's) was joined by two new residence quadrangles, and where a fully equipped Sports Center, complete with Olympic-size pool, basketball arena, racquetball, handball and squash courts, saunas, locker-rooms, and exercise rooms, was built next to its predecessor, now converted into an ice rink.

Recent architectural changes have been the refurbishing of the aforementioned Durand Institute, the early 20th century Tudor-style Hixon Hall, on South Campus, which now contains a modern, highly flexible studio theatre, recently named the Allan Carr Theatre, the home of the Garrick Players, and Durand Commons, which includes a new snack bar, student government and other activity offices, student and faculty mailboxes, game room, faculty dining room, the College radio station (WMXM), meeting rooms and lounge space. The renovation of Donnelley Library will be completed during the summer of 1983.

The College's oldest and largest building, College Hall, was renovated recently and rededicated in October of 1982 as Young Hall in honor of the philanthropist, Irvin L. Young, a member of the Class of 1926. The five-story structure looks as it did in 1878 and houses the departments of Mathematics and Computer Studies, Economics and Business, Politics, History, and the Wood Institute, as well as the Office of the Dean of Students, the Career Planning and Placement Office, and the Office of Community Education and the Graduate Program in Liberal Studies.

The College continues to be related to the Presbyterian Church in the United States of America and is independently governed by an elected Board of Trustees.

Academic Highlights

A liberal arts school, fully accredited by the North Central Association of Colleges and Secondary Schools, Lake Forest College strives to take advantage of its size in educating students.

Small classes and independent research opportunities allow for maximum exchange of thoughts and ideas between students and faculty. In such an atmosphere of learning, attitudes are challenged, intellectual honesty is preserved, and humanistic values developed. Education at Lake Forest College is characterized by an informal but demanding association between student and professor.

The liberal arts curriculum is enhanced by off-campus study programs in which many students participate. Such options include internships in businesses and governmental agencies, the various cooperative study terms offered by the Associated Colleges of the Midwest, a consortium to which Lake Forest College belongs, and a term abroad in Greece. Further cooperative degree programs have been established with Washington University for engineering students, with Rush University for nursing and medical technology, and The University of Chicago in social work and in public policy.

The College's curriculum is still further enhanced through the establishment of an undergraduate institute which combines traditional liberal arts courses with a heavy emphasis on internship experiences, leading to exploration of specific careers or graduate studies upon graduation. The Robert E. Wood Institute serves students who plan to pursue careers in public and private planning, public safety, social service, and local government.

The Faculty

Central to the fulfillment of the College's mission is the distinguished Lake Forest faculty. More than eighty per cent of the College's full-time teaching faculty hold doctoral degrees. They are active as productive scholars, researchers and critics, and many have been recognized nationally as outstanding educators, as Phi Beta Kappa, Fulbright and Woodrow Wilson scholars, as fellows in academic societies and institutions. As scholars they have published many books, numerous articles, and are the recipients of significant awards; as researchers they have earned more than one and a half million dollars in grants since 1966.

More important, however, is the fact that Lake Forest faculty members like teaching on the undergraduate level. There is no back-up pool of graduate assistants. There are no arbitrary restrictions that

consign freshmen to one set of professors, upperclassmen to another. All faculty are equally accessible.

Smaller class size is important, too. Student/faculty ratio is approximately 12:1, a happy condition that permits informality and flexibility in both content and teaching form. Students participate in a natural way in the give and take of discussion and the interchange of opinion. The opportunity to take part, to be heard, is a valued aspect of the liberal arts at Lake Forest.

All professors also counsel individual students in their curricular programs as faculty advisors. Students, therefore, profit from the teaching skills and personal interest of the faculty, and they also enjoy the benefits of studying under nationally prominent scholars.

The Students

The College seeks diversity within its student body, economically, geographically, and ethnically. More than forty-two states and sixteen foreign countries are represented. But the diversity of the College community is more than the geographic and previous educational background of its students. It is also the broad range of personalities. A student at Lake Forest is accepted as an individual, with particular intellectual and personal talents and needs. For each individual the College is a place to study, work, enjoy and live.

The students participate in a variety of activities. They join the faculty in the governing of the College through participation on committees and representation on the Board of Trustees. Student writers and performers take part in the student FM radio station, student newspaper, literary magazines, yearbook, College Choir and theatre groups. Honorary societies in biology, drama, education, foreign languages, philosophy, psychology, chemistry, and physics enjoy active student participation as do other special interest clubs. In athletics, the College provides physical education for interested students and organizes a comprehensive intramural and intercollegiate athletic program complemented by a sizeable sports complex. All have equal opportunity to take advantage of the richness of the College's programs.

The Academic Program

Lake Forest College has opened its curriculum to an imaginative philosophy of education: namely, that no two individuals have the same educational needs and goals, and no two individuals have the same strengths, capacities, motivation or preparation. Each individual wants something distinctly personal from a college education. Accordingly, there are no specific distributional requirements at Lake Forest College. Each student is expected to compile a total of 32 course credits for graduation with the B.A. degree and to meet the special requirements of a major.

The College reaffirms its commitment to a broad education as embodied in the liberal arts. A graduate who represents the educational ideals of Lake Forest College will have studied a broad range of ideas, cultivated competence in communication and quantitative discipline, had significant exposure to the sciences, humanities and social sciences while completing requirements for a major in an academic department or an interdisciplinary program. It is and will continue to be the aim of the College to promote these ideals while allowing freedom of choice for the student in choosing his or her course of study, subject to the approval of an advisor. Students can choose majors of the traditional type, in one or more of eighteen departmental fields; they can cross departmental lines, combining courses and blocks of courses to give them new comprehensive skills or to capitalize on those they already have. They can create interdepartmental majors of their own or

select from a number of formal interdisciplinary majors by the College and supervised by faculty committees. In addition to a major, they can also incorporate into their own personal programs one of the various interdisciplinary course sequences, such as Ancient Mediterranean Civilizations, Black Studies, and Women's Studies. Some students are now choosing to participate in cooperative degree programs with professional and graduate schools, spending two or three years at Lake Forest before completing their programs, for example in engineering or nursing, at the cooperating school.

Toward the close of the freshman year the candidate for the degree of Bachelor of Arts is asked to select a departmental major or, as an alternative, to choose an interdisciplinary major.
The departmental and interdisciplinary majors are:

American Studies, *page 43*
Area Studies, *page 44*
Art*, *page 64*
Behavioral Sciences, *page 44*
Biology, *page 68*
Business, *page 75*
Chemistry, *page 72*
Comparative World Literature, *page 45*
Computer Studies, *page 104*
Economics, *page 75*
Education#, *page 80*
English*, *page 86*
Environmental Studies, *page 47*
French*, *page 93*
German*, *page 95*
History, *page 100*
Humanistic Inquiry, *page 47*
International Relations, *page 48*
Local and Regional Studies, *page 51*
(The Robert E. Wood Institute)
Mathematics, *page 104*
Music, *page 109*
Philosophy, *page 112*
Physics, *page 115*
Politics, *page 118*
Psychology, *page 122*
Scientific Inquiry, *page 48*
Sociology and Anthropology, *page 130*
Spanish*, *page 97*

Calendar

Course work at Lake Forest College is scheduled into a calendar of two 15-week semesters, running September through December, and January through May. Students normally take four course credits a semester (i.e., equivalent of 16 semester hours). All courses run for 15 weeks, with the exception of a selection of spring term courses which run for 7½ weeks and are offered in each of two consecutive short terms, January to March, and March to May. This arrangement offers great flexibility in that it enables upperclassmen to pursue intensive off-campus experiences during either of the 7½ week terms in the spring, and to spend the other term on campus enrolled in regular courses. The off-campus experiences may include a full-time internship or the ACM Humanities Seminar Program in Chicago. In this way students can enjoy a valuable off-campus experience for college credit without sacrificing a whole semester or a summer in the process.

*Each of these majors offers two-track concentrations. Please consult the departmental descriptions which follow.
#A major in education may only be taken in conjunction with another major but not as a major on its own. Details on acquiring Illinois State Certification are available through the Education Department.

A seven-week summer session normally scheduled from mid-June to late July, offers a number of basic and special courses, taught by the regular faculty of the College. Students may take a maximum of two courses.

Academic Advisement

Great importance is attached to the advising system at Lake Forest College. While a student's special academic needs and objectives determine the precise course of study in a given term or year, it is the advisor's responsibility to ensure that each individual course plan reflects the ideals of a broad liberal arts education.

Each new student is assigned a faculty advisor at the outset who assists with program planning, course selection, registration, academic difficulties, personal problems, and career choices. A freshman student keeps this advisor at least for the duration of the freshman year, but often longer. After choosing a major field of study, the student selects a faculty advisor in the chosen discipline, who assists in drawing up a program of courses in the major field and other relevant areas, and who provides necessary guidance throughout the student's undergraduate career.

FRESHMAN STUDIES

During their first year, Lake Forest students have the option of combining traditional introductory courses in various disciplines with special courses designed mainly for freshmen, for the development of important skills. Among these are English Composition, Writing on Special Topics, and Freshman Seminars.

In a Freshman Seminar a small group of students explores with one or more faculty a basic issue in human nature or culture from various intellectual perspectives. The seminars place special emphasis on group discussion, oral and written presentations by students, and research techniques and analytical skills. Courses entitled Writing on Special Topics combine the teaching of a particular subject matter of limited scope with the teaching of writing, providing students with an introduction to a topic of intellectual concern and with practice and guidance in essay composition. English Composition is devoted exclusively to the development of the fundamental skills of written composition.

None of these courses is required; all are for credit. For descriptions of this year's topics, see pages 40 and 41.

INDEPENDENT STUDY

Independent Study, under the guidance and supervision of faculty members, offers challenging opportunities for investigating areas beyond the limits of formal courses. A student may engage in independent study for credit, given the availability and approval of a faculty member competent in the chosen subject matter. There are various types of independent study:

A **Tutorial** is a directed reading course on a special topic not covered in a listed course; the student discusses the reading with the faculty supervisor at least once a week, and usually writes a number of short reports or papers. Recent tutorials have dealt with Sports Psychology; New Testament Greek; Endocrinology; Public Housing Policies and Latinos; Modern Harmony and Counterpoint; Modern Physical Optics; The American Novel Since World War II. Freshmen may take a Tutorial during any term after their first, but students may take no more than four Tutorials, and only one per year.

A **Research Project** is more specialized and usually more advanced than a Tutorial, requiring greater independence and originality on the part of the student, who conducts scholarly research with a view to producing a substantial report in the form of a term paper or report. Among projects recently undertaken were Advanced Constitutional Law; Women in Turn of Century Literature; Binding Reactivities of Serum Amyloid P-Component; A Seasonal Study of the Flora and Fauna of Getz's Pond; Mies van der Rohe; Henry Kissinger and His Vision of U.S. Foreign Policy; Economics of Natural Gas Deregulation; American Social History; Histology. Juniors and Seniors are eligible to undertake Research Projects. The maximum allowed toward graduation is four: two per semester, but no more than three per year.

A **Senior Thesis** is original scholarly research undertaken in the student's senior year, usually over more than one term. The research culminates in the presentation of a formal written dissertation, which is evaluated by a faculty committee who also examines the student in person. Outstanding theses are awarded Thesis Honors at graduation. A list of the twenty-four Senior Theses awarded Honors during the 1982-83 academic year is on page 171. These titles represent a broad spectrum of the liberal arts tradition and cover not only major fields in the natural sciences, social sciences, and humanities but also interdisciplinary majors and topics chosen by Independent Scholars. In 1983 one of twenty-four Honors Senior Theses was chosen to receive the Phi Beta Kappa Senior Thesis Award, *The Distressed Woman: Literary Perspectives of Femininity in the Age of Modernism, 1890-1930,* by Carol Heer. Senior Theses may be undertaken for up to three course credits, no

more than two of which may be taken in the same semester. The category of research will include Senior Thesis programs.

A **Creative Project** is an independent course of work, under faculty supervision, in a creative medium such as painting, fiction, sculpture, poetry, photography, or music. Creative Project credits are limited in the same way as tutorials, except that Senior Projects in Studio Art (page 67) may be approved for a maximum of two course credits.

Students may count a total of seven Independent Study credits, including Internships, toward graduation. They must arrange each Independent Study program before the end of the previous semester by submitting a written proposal (form obtainable from the Registrar) signed by the relevant faculty, to the Dean of Faculty for final approval. See the Registrar for detailed information.

THE INDEPENDENT SCHOLAR PROGRAM

An independent study experience is the primary component of the Independent Scholar Program, which enables qualified and motivated students to design and pursue an individual degree program, in the junior and senior year, focusing on a particular topic or theme rather than on a single academic discipline.

In past semesters, Independent Scholars at Lake Forest, formerly called College Scholars, have examined, among other topics, medieval studies and social thought. In 1983 independent scholars majored in Architecture, American Religious History and The Interface of Existential Philosophy, Psychology, and World Religions.

The Independent Scholar Program emphasizes self-determination for its students. The responsibility for initiative in the Program lies with the student, beginning with presentation of his or her case for admission to the Program.

In the Spring term applications are invited from students who will be juniors by the end of the Fall term of the following academic year. Admission is determined by the Independent Scholar Committee. See Student Handbook.

PRE-PROFESSIONAL AND CAREER PREPARATION

Lake Forest College recognizes the need to integrate the ideals of a liberal arts education with professional and career preparation. The College offers its students many career and professional options, including:

EDUCATION: Lake Forest College prepares students for careers in teaching at the primary, elementary, middle school/junior high, and high school levels. Courses leading to Standard Elementary and Secondary Certification in Illinois are offered. A major in Education is available only in conjunction with another major.

Special emphasis in the Secondary Certification program is being given to the training of effective teachers for middle school/junior high school. Details are given in the Education section under Departmental Majors on page 80.

ENGINEERING: Students who wish to combine a liberal arts education with instruction leading to a degree in engineering may participate in the 3-2 cooperative program between Lake Forest College and Washington University in St. Louis, Missouri. During their three years at Lake Forest College these students will be advised by a member of the faculty in the Physics Department and will meet regularly with a representative of Washington University. They will spend the last two years in the program on the Washington University campus. Students successfully completing the program will receive both a B.A. degree from Lake Forest College and a B.S. degree from Washington University. See page 56.

HEALTH SERVICES: Students interested in careers in the health care field should consult the advisor.

LAW: The pre-law advising program, through close personal attention and advice, and through regularly scheduled meetings with members of the profession, helps students decide whether a legal career is the best profession for them. The pre-law advisor offers counsel on applying to law schools and on the range of law schools most suitable for each student. There is no specific pre-law pattern of course work at Lake Forest College; the basic four-year course of study is appropriate undergraduate training for future lawyers. Advisor: Mr. Lombardi.

MEDICINE: Students preparing for careers in medicine, dentistry, or veterinary medicine may major in any academic field, provided their courses of study include the necessary science courses to insure adequate preparation for the professional schools of their choice. Generally, these required science courses include a minimum of one year in biology, two in chemistry, and one in physics. The Health Careers Advisory Committee* schedules interviews each year with students in this field to assess their programs, their progress, and to advise them on preparing themselves for admission to the appropriate professional schools. In addition, each student planning a career in the medical sciences will be assigned his or her own advisor from the natural sciences faculty, with whom close contact is maintained throughout the undergraduate career.

NURSING: Lake Forest College has established a cooperative program with Rush University in the field of nursing. Rush's Medical Center is

*Committee Chairperson: Mr. Coutts.

the center of a comprehensive cooperative health delivery system serving some 1.5 million people through its own resources and in affiliation with eight community hospitals in northern Illinois. Students entering this program will spend their first two years at Lake Forest College and their last two years on the Rush University Campus. Upon completion of the program they will receive a B.S. degree in nursing from Rush College of Nursing. See page 56.

MEDICAL TECHNOLOGY: Lake Forest College has established a cooperative program with Rush University in the field of medical technology. Under this arrangement students spend their first two years at Lake Forest College and their last two years at Rush College of Health Science. Upon successful completion of the four-year program students will receive a B.S. degree in medical technology from Rush College of Health Science. See page 56.

PUBLIC POLICY STUDIES: This 3-2 program, offered in cooperation with The University of Chicago, prepares students for professions in fields such as urban and housing issues, government regulation, health policy and foreign or domestic economic policy. After successfully completing the Junior year and a major at Lake Forest College, students study two years at The University of Chicago and receive a Master of Arts degree in Public Policies. See page 57.

PUBLIC SERVICE: The Wood Institute for Local and Regional Studies was created to enable students to understand the complexities of metropolitan life as a prelude to graduate school and professional careers. The Institute program combines the traditional liberal arts courses and a heavy emphasis on internship experiences in a program designed to lead to career opportunities after graduation as well as to graduate work. Students with a major in Local and Regional Studies may pursue careers in public and private planning, public safety, criminal justice, and local government. The major is also a good background for those wishing to take advanced degrees in law, planning, public administration, social work, community development, and business. See page 51.

SOCIAL SERVICE ADMINISTRATION: Students who wish to become professionals in the fields of social treatment and social development, one option directed more toward counseling and assistance, and the other more toward community program administration, may be able to participate in a Three-Two cooperative program between Lake Forest College and The University of Chicago. In this program students attend Lake Forest College for three years followed by two years in the School

of Social Service and Administration of The University of Chicago. The plan enables successful students to earn a Bachelor of Arts degree from Lake Forest College and a Master's degree from The University of Chicago in a total of five years. See page 57.

OFF-CAMPUS STUDY

Study opportunities in off-campus settings have traditionally enriched the curricular and extra-curricular options of Lake Forest students. Those who have been able to take advantage of such opportunities invariably found that they presented new perspectives, valuable facts and fresh ideas. Off-campus study may take a student abroad, to other parts of the United States, or no farther than the City of Lake Forest in the case of some internships. The Off-Campus Study Program director, Mr. Speros, makes available to students information about quality non-Lake Forest programs which might be useful in special cases.

Internships and Practicums

A department or interdisciplinary committee arranges off-campus internships and practicums. The internship program is intended primarily for students who have had at least two years of course work, and for whom the internship is a chance to work in a practical professional way at a subject area studied previously on a theoretical level in academic courses. Students may count up to four internship credits toward graduation, but no single internship can be for more than two credits. These courses are graded only on a Credit/D/Fail basis.

Under the internship program, Lake Forest students work for academic credit in businesses, social and governmental agencies and other institutions both in the Chicago area and elsewhere during either of the 7½ week Spring terms and during the Summer term. In recent years, students worked — and studied — for Van Straaten Gallery, Chicago's Better Government Association, Lake County Museum, International Travel, IBM, Illinois Department of Commerce & Community Affairs, Professional Liabilities Underwriters of Chicago, The Breakthrough Foundation in San Francisco, Chicago's *North Shore* Magazine, Blair Television, Merrill Lynch, Howard Area Community Center in Chicago, United Way, Lake Forest Hospital, the Lake County Regional Planning & Zoning Commission, the Lake County Detention Center, The Chicago Medical School, The Hyatt Regency Hotel, the Cultural Department of the Consulate General of France, the Office of Senator Edward Kennedy, The Chicago Board of Trade, The Chicago Mercantile Exchange, Abbott Laboratories, the First National Bank of Lake Forest, the Lake Forest Police Department, Lutheran General Hospital, the Chicago Transit Authority (CTA), the Suburban Fine Arts Center of Highland Park,

Capital Guardian Trust Co. in Los Angeles, the Continental Bank, and the Goodman Theatre in Chicago. One student worked as an international monetary manager in Switzerland and in England; another worked with reporters on the staff of the Chicago Tribune investigating corruption in Chicago health systems, and developing a health proposal with a Chicago alderman for the Lakeview area of the city. Yet another developed a disaster plan for the town of Gurnee, Illinois, which was subsequently used during a serious flood. Currently being prepared is a student analysis of voting patterns in Lake Forest, Illinois.

Internships and Practicums have been developed primarily under the Departments of Politics, Economics and Business and the Wood Institute for Local and Regional Study; the Departments of Psychology, Sociology and Anthropology, and Art have participated significantly in the program as have the Departments of Mathematics and Computer Studies, Biology, Chemistry, History, and English.

Program Leaves

A student may enroll during the Fall and Spring semesters for one course at another institution while remaining registered at Lake Forest for that term. If approved by the student's advisor, the program must be checked with the Registrar to assure transferability of the work. If the work is satisfactorily completed (i.e., with grade of C or better in each course) and the credits transferred to Lake Forest College, the student will be reimbursed for the cost of the tuition at the other institution up to the cost of tuition at Lake Forest College for the same period.

Lake Forest Courses Offered Off-Campus

PROGRAM IN GREECE: The College conducts a 7½B spring program of unified study of the ancient Aegean world from the Minoan to Byzantine periods, with a concern for understanding the artistic and archaeological materials in their historical, cultural and geographical setting. Classes are held at historical and archaeological sites and museums. Study in Athens is supplemented by extensive group travel and study to (a) Minoan Crete and Santorini, Mycenaean Argolid and Pylos, (b) Classical Delphi, Olympia, Corinth and elsewhere, and (c) Byzantine sites in Salonika, Northern Greece, Meteora and Mistra. Credit: 3 courses: Students normally will enroll for 2 of the 3 as the second-half of their spring semester, but may arrange to take all three plus an independent study in Greece for a full semester. (See descriptions for Ancient Mediterranean Civilizations, 202-204, page 50.) Prerequisites: Ancient Mediterranean Civilizations 100 or two courses in a combination of art history and ancient history or archaeology. Program Advisor: Mr. Cole.

MARINE BIOLOGY: The Biology Department offers a Marine Biology program during the College's spring semester. Students in the program spend the first part of the course on campus in academic preparation for the trip and spend the last two weeks at the facilities of the Bahamian Marine Station on San Salvadore Island. Credit: one course credit. Application period: during pre-registration of the preceding April. Program Advisor: Mr. Weik. (Not offered in 1983-84.)

ACM Cooperative Programs

Lake Forest College is a member of the Associated Colleges of the Midwest, a consortium of thirteen distinguished colleges in five states: Beloit, Carleton, Coe, Colorado, Cornell, Grinnell, Knox, Lake Forest, Lawrence, Macalester, Monmouth, Ripon, and St. Olaf. By working together these colleges have expanded greatly the off-campus study opportunities for their students. When participating in some of these programs, usually as juniors, Lake Forest students meet with their counterparts from other ACM colleges. Credit is provided by Lake Forest.

These programs are intended to enhance the collegiate experience and should make sense in terms of the students' overall educational objectives. Because most are conducted outside the traditional classroom format, applicants must demonstrate an ability to perform consistently and responsibly in situations which demand that they work on their own initiative. Students on probation are usually ineligible.

Applications must first be submitted to the Lake Forest College Committee on ACM Programs from which, if approved, they will be forwarded to ACM for consideration. Since these programs are intended to complement on-campus programs, the committee reserves the right to limit their availability in order to maintain the integrity of the latter. The deadline for all programs is February 1. Applications will not normally be accepted after that date. Mr. Speros serves as chairperson.

ARTS OF LONDON AND FLORENCE: The Arts of London and Florence program (winter/spring only) provides a broad introduction to the arts for the non-specialist student, drawing upon the cultural resources of the two cities to explore the historical and contemporary richness of Western civilization. Students spend eight weeks in each city, with a one-week break between the two segments of the program for individual travel. Course work in art and architecture, drama, and history or literature is supplemented by frequent visits to museums, galleries and the theatre, short field trips to other areas of England and Italy, and discussions with local scholars. Length of program: February-May. Eligibility: sophomores, juniors, seniors. Credit: 4 course credits. Application deadline: February 1, 1984. Campus program advisor: Mr. Mitchell.

CHINESE STUDIES: The Chinese Studies program offers an academic year of study in Hong Kong, a center for research and analysis of contemporary China as well as a focal point for business, banking, journalism and governmental agencies operating throughout East Asia. Enrolled at the Chinese University of Hong Kong, students choose Mandarin or Cantonese language instruction, as well as elective courses ranging from contemporary Chinese political thought to traditional painting and calligraphy. At the university, students live in dormitories with Chinese roommates. An ACM/GLCA program, in cooperation with the Yale-China Association. Opportunities for study in Mainland China for students with one to three years of Chinese are also available and offered by the Council on International Educational Exchange, of which ACM is a member. Length of program: September-April. Eligibility: Sophomores, juniors and seniors. Credit: 4 course credits per semester. Application deadline: February 1, 1984. Campus program advisor: Mr. Charles A. Miller.

FLORENCE: The Florence program (fall only) offers serious students of art, history, Romance languages and the humanities an opportunity for intensive study among the legacies of the Renaissance. Students' understanding and appreciation of the richness of Florence's artistic and cultural heritage is facilitated by Italian language instruction and courses providing historical context and a broad perspective on Italian contributions to world civilization. Course work is supplemented by frequent visits to museums and galleries, short field trips to other cities throughout Italy, and discussions with local scholars. This academic immersion in Italian Renaissance culture is enriched by the students' personal immersion in the life of modern Italy, since each student will spend some of the time in Florence living with an Italian family. Length of program: September-December. Eligibility: Junior and senior majors in art, history, modern languages or humanities. Italian language highly recommended. Application deadline: February 1, 1984. Campus program advisor: Mr. Mitchell.

GEOLOGY IN THE ROCKY MOUNTAINS: The Front Range, High Great Plains and adjacent mountain ranges serve as classroom and laboratory for the study of the geologic history of the Rocky Mountains in this introductory field course. For pre-freshmen as well as currently enrolled students, Geology in the Rocky Mountains is designed to integrate course work and extensive field experience so that students learn through direct exposure to the geologic environment. Frequent field trips from the program's Colorado Springs base provide the opportunity to examine a wide range of varied rock types, minerals and fossils, geologic structures and landforms. This on-site exposure is

reinforced by written reports, regular text assignments, lectures, discussions and laboratory sessions. Length of program: June-August. Eligibility: All students, including entering freshmen, no previous background in geology is required. Credit: 2 course credits. Application deadline: February 1, 1984. Campus program advisor: Mr. Martin.

INDIA STUDIES: The Indian subcontinent, home to almost one-sixth of the world's population, provides a rich and complex background for the study of non-Western civilization. After a ten-week intensive orientation term, including language study, at one of the ACM colleges, India Studies participants spend six months in Poona living with Indian families. At once traditional and highly industrialized, Poona is an excellent place to observe the interaction of tradition and modernity that characterizes India today. Students will be enrolled in the University of Poona, where they will continue language instruction and choose four other courses, and also complete the independent study projects begun during orientation. In addition to the formal academic program, a variety of extracurricular activities is available — music and dance recitals, field trips to nearby cultural sites such as the Ajanta and Ellora caves, and religious festivals. Length of program: April-December. Eligibility: Second-semester freshmen, sophomores and first-semester juniors. Credit: 8 course credits. Application deadline: February 1, 1984. Campus program advisor: Mr. Louch.

JAPAN STUDY: After a summer orientation including intensive language study in a mountain village setting, a seminar on contemporary Japanese life and culture, and homestays with rural families, students spend six months at Waseda University's International Division in Tokyo. In addition to language study (required) electives may be chosen from a wide range of Asian studies courses taught in English; students participate in an ongoing weekly seminar on Japan and also pursue extended independent study projects in the humanities, natural or social sciences. A family living experience in Tokyo provides an informal education in Japanese culture and is in many ways the dominant feature of the program, offering total immersion in Japanese life. A ACM/GLCA program. Length of program: July-February. Eligibility: Sophomores, juniors, seniors. No Japanese language study required for acceptance, but two semester hours or the equivalent must be completed before departure. If this requirement cannot be met on the home campus, Earlham College in Richmond, Indiana, offers an intensive two-credit session in June. Credit: 8-course-credits for full year, correspondingly less for eight-month students. Application deadline: February 1, 1984. Campus program advisor: Mr. Charles A. Miller.

NEWBERRY LIBRARY PROGRAM IN THE HUMANITIES: One of America's great research libraries provides the setting and materials for this program of individual and cooperative research in the humanities. Students attend seminars, meet with resident scholars, and conduct their own examinations of selected topics or historical periods, using the Newberry Library's outstanding collections. In addition to the semester-length fall seminar, students may enroll in one month seminars on selected topics during the winter/spring. From January through August students may also pursue independent study under the direction of faculty members from their own colleges, for any time period suitable to their needs. Students may also choose to participate in research library tutorials designed to provide practical experience and academic training in such areas as modern manuscripts and rare books, local and family history, and Renaissance studies. An ACM/GLCA program. Length of program: September-December (fall seminar) for 4 course credits; January-May (month-long seminars) for 1 credit per month; variable periods (independent study and tutorials for variable credit). Eligibility: Juniors, seniors, exceptionally qualified sophomores. Application deadline: February 1, 1984. Campus program advisor: Mr. Greenfield.

OAK RIDGE SCIENCE SEMESTER: Designed to allow undergraduates to study and conduct research at the frontiers of current knowledge, the Oak Ridge Science Semester places qualified students as junior members of research teams engaged in long-range intensive investigations at Oak Ridge National Laboratory (ORNL) located near Knoxville, Tennessee. Participants devote most of their time to research work in the biological, engineering, mathematical, physical or social sciences. In addition, each student chooses one course from among a variety of advanced academic courses and participates in an interdisciplinary seminar designed to expose students to new ideas in their major fields and related disciplines. This academic program is enriched in informal ways by guest speakers, departmental colloquia, and the special interests and expertise of the ORNL staff. A GLCA/ACM program. Length of program: September-December. Eligibility: Upperclass majors in biology, chemistry, geology, physics, mathematics or social sciences. Credit: 4 course credits. Application deadline: February 1, 1984. Campus program advisor: Mr. Schmidt (natural sciences and social sciences).

STUDIES IN LATIN AMERICAN CULTURE AND SOCIETY. Studies in Latin American Culture and Society (fall only) is an interdisciplinary program designed for students who wish to gain a comprehensive understanding of life in Latin America and to develop their facility in the

Spanish language. This program, focusing on the humanities and social sciences, is planned to take full advantage of its Costa Rican setting. Course work in language, literature, geography, anthropology, development strategies and cultural change provides insights which are reinforced by group field trips and a two-week period of individual field work in the country's provinces. Language study is stressed as the key to in-depth understanding of the culture. In San José and its environs, students live with families both to improve their language ability and to enable continuous, personal involvement in the life of a Latin American community. Length of program: September-December. Eligibility: Sophomores, juniors, seniors, with at least one year of college level Spanish. Credit: 4 course credits. Application deadline: February 1, 1984. Campus program advisor: Ms. Moldof-Kurtz.

TROPICAL FIELD RESEARCH: The Tropical Field Research program (winter/spring) is designed for advanced work in the social and natural sciences. The diversity of ecological zones within a day's travel of the capital of Costa Rica supports an extraordinary variety of plant and animal life and provides rich research opportunities for students of tropical biology and ecology. Man's historical and contemporary use of this terrain offers an equally broad range of study topics for students of anthropology, archaeology, economics, geography, history, political science and sociology. Students prepare for their research work during a month-long orientation which includes intensive language training and a review of field work methodology; their field study may be integrated with an ongoing multidisciplinary project or may be undertaken independently under the supervision of a faculty advisor. Length of program: February-June. Eligibility: Sophomores, juniors, seniors, with prior course work in the proposed research discipline and at least one year of college-level Spanish. Credit: 4 course credits. Application deadline: February 1, 1984. Campus program advisor: Ms. Moldof-Kurtz.

URBAN EDUCATION: The Urban Education program introduces student teachers and those interested in bilingual education or such service-related professions as counseling, social work, and art or music therapy to the unique aspects of urban schools and urban children. Chicago's myriad instructional options provide work placements in a variety of settings: inner city or suburban, traditional or innovative, Montessori or Gestalt, bilingual or special education. The program provides a background of support for student teachers through a series of resource workshops, seminars and discussion groups; emphasis is placed upon exploring each individual's strengths and weaknesses as a teacher.

Candidates for certification to teach in bilingual settings complete the "Dimensions in Multicultures" course offered during the December

and January interims and summer courses in methods for teaching in bilingual situations. "Dimensions in Multicultures" is open to any student interested in learning about communication in a multicultural setting.

Length of Program: Fall or spring semester; fall, winter or spring term; interim or block-length option. Eligibility: Any currently enrolled student; those seeking certification are expected to have fulfilled their college's prerequisites for student teaching; previous experience working with young people is desirable. Credit: variable. Application deadline: February 1, 1984. Campus program advisor: Mr. Tierno.

URBAN STUDIES: The social, cultural and economic forces which shape American cities — urban renewal, a political machine, youth movements, pollution, the daily press, the poor, high culture and mass culture, the corporate elite — are all present in Chicago. In the Urban Studies program, students begin to understand the magnitude and complexity of an urban center by studying, working and living in Chicago. Formal study in seminars on urban issues, a core course involving all program participants, and independent study projects are augmented by supervised internships, through which students may gain a valuable understanding of work and contribute to the life of the city and its people. Length of program: September-December, or February-May. Eligibility: Sophomores, juniors, seniors. Credit: 4 course credits. Application deadline: February 1, 1984. Campus program advisor: Ms. Eskilson.

WILDERNESS FIELD STATION: The ACM Wilderness Field Station is located on remote Low Lake in the Superior National Forest. It lies just outside the Boundary Waters Canoe Area, offering students an exceptional opportunity for direct observation of northwoods nature. Much of the field work in this lakeland wilderness is done on canoe trips, involving paddling, portaging and camping under primitive conditions. The base camp's well equipped laboratories and herbarium enable students to supplement their field study with the latest analytical techniques. Courses in botany, vertebrate zoology, aquatic biology, behavioral zoology, forestry, and ornithology are offered during the two month-long summer sessions, along with environmental biology for non-science majors, a course in wilderness literature with no science requirement and an independent study option. Length of program: June-July, July-August; or both. Eligibility: One college-level biology course or its equivalent is required for all courses except environmental biology, for which one college-level biology course is recommended but not required, and wilderness literature, which has no prerequisite. Credit: 1 course credit per session. Application deadline: February 1, 1984. Campus program advisor: Mr. Weik.

YUGOSLAVIA: For more than a thousand years a dividing line and scene of confrontation between East and West, Yugoslavia presents a fascinating setting for the study of nation-building and of historical and contemporary world affairs. The Yugoslavia Program enables firsthand study of this historical legacy and of the patterns of modern development which have created in Yugoslavia a unique economic system and a multi-ethnic communist society. Based in Zagreb, a major cultural center, the program includes intensive language training and course work at the University of Zagreb, field trips and residence in Yugoslav homes. Courses cover such topics as: industrialization and social change; Marxist philosophy; the worker self-management system; and the development of the social and economic system. An ACM/GLCA program. Length of program: August-December. Eligibility: Sophomores, juniors, and seniors. Credit: 4 course credits. Application deadline: February 1, 1984. Campus program advisor: Ms. Moodie.

COMMUNITY EDUCATION FOR ADULTS

Lake Forest College takes a special interest in serving the adult community of the North Shore through the Office of Community Education. Regular course offerings of the College are open to members of the community for credit or may be audited, and a number are scheduled at afternoon or evening hours which are convenient for adults. In addition, the College offers a number of non-credit programs in areas of general interest.

The Office of Community Education provides academic counseling for non-traditionally aged students. Individuals who meet the admission requirements established by the Faculty Committee on Community Education may take courses for college credit in individually tailored programs on a part-time or full-time basis. The Office of Community Education does not award degrees; in order to receive a Lake Forest College degree, students must take their last eight courses as regularly enrolled students but college courses taken before formal admission can be counted toward the degree.

For more information on adult programs, call or visit the Office of Community Education in Young Hall, Room 222.

GRADUATE PROGRAM IN LIBERAL STUDIES

Lake Forest College is first and foremost an undergraduate institution. It is, however, accredited by the North Central Association of Colleges and Schools at the Master's level and it offers a single graduate program in Liberal Studies, leading to the Master's degree. This program is designed for those who have completed a bachelor's degree and who are concerned with their ability to organize conceptually the

social, scientific, and humanistic dimensions of the world of the late twentieth century. For additional information on the structure of the program and course listings, please see page 59. Director of the Master's Program in Liberal Studies, Mr. Zilversmit; Associate Director, Ms. Moodie.

COOPERATION WITH BARAT COLLEGE

Lake Forest College joins with nearby Barat College in offering certain programs jointly, and in coordinating offerings in some academic departments. Both colleges are on the semester system, which facilitates cross-scheduling. A student at Lake Forest may, upon the approval of his or her advisor, register for up to four semester hours in a given semester at Barat College, for which full Lake Forest credit will be granted. Such registrations are made at the Office of the Registrar of Lake Forest at the usual time of registration.

Lake Forest students travel to Barat, one mile away, primarily for additional coursework in the creative arts — dance, ceramics, painting — and women's studies. Barat students register at Lake Forest primarily in the sciences — biology, chemistry, physics.

Barat College also offers lectures and cultural programs to which students of Lake Forest are invited.

RESEARCH AND LEARNING RESOURCES

College Libraries

The Lake Forest College faculty believes that library research within courses and on special projects is essential to the development of a well-rounded, independent intellect. As a result, the College's collection of 260,000 books and documents and 1,000 current periodicals are heavily used, and students acquire considerable sophistication in library use and research techniques which serve them well not only as undergraduates but also later in their professional careers.

The College is located on the perimeter of one of the great library centers of the world, and its library program is able to combine strong traditional on-campus collections with easy access to the extensive research holdings of Chicago and North Shore area libraries. While the bulk of undergraduate teaching is supported by the vital core collections in the College's own modern facilities, a substantial part of the learning on campus is supported by research material brought to the campus through inter-library exchanges, or available for use in major research collections in the metropolitan region. Both faculty and students carry on research at the Newberry Library, the John Crerar Library, the Art Institute, and Chicago Historical Society, and the libraries

of the many Chicago area universities. Loan materials are obtained through the College's participation in the Illinois State network and in other complementary library systems. Lake Forest College's library patrons have access via computer, and through a shared circulation system, to the collections of the University of Illinois at Urbana and 15 other academic libraries. In 1981-82, 2,779 books and articles from off campus were obtained for students and faculty. In addition, the College's collections are being developed in coordination with the Lake Forest Public Library and the Barat College Library, whose combined 160,000 volumes are within walking distance of the campus.

A recent development of the library's concern for students' and faculty's library-use skills is a program of instruction coordinated by the librarians, funded by the National Endowment for the Humanities and the Council on Library Resources. One outgrowth of this program in the late 1970's was the first comprehensive effort by a liberal arts college west of the Atlantic Coast to experiment with on-line periodical index data base searching, which exposes Lake Forest students to the type of retrieval techniques which dominate scientific and business information gathering and have a growing impact on the humanities.

The DONNELLEY LIBRARY, constructed in 1965 and substantially renovated in 1983, houses the bulk of the College's collection. Basic support for course work and the research of students and faculty is provided by a core collection of books and journals in the humanities and social sciences, supported by a well-equipped reference and bibliographic center and a microfilm reading room. The catalog of the College's holdings is online, as well as in card form.

The Treasure Room Collection includes the principal landmark and special books donated to the College by friends, faculty and alumni. Among these are some large gifts of special note: the Hamill Collection of over 6,000 rare and important books in the humanities, given by the late Mrs. Alfred E. Hamill of Lake Forest; the Scotiana Collection of 3,000 volumes for the study of Scottish history, art, literature, music, genealogy, and printing, donated by the late R. Douglas Stuart of Lake Forest; and the library of Garrett Leverton, the College's drama director in the 1920's, of nearly 5,000 volumes of plays and material on the development of the theatre in this country. Two collections on railroad history, some 6,000 items in all, the library of Elliott Donnelley and the collection of Munson Paddock, form a substantial holding. In 1981 an important collection of Americana and other rare books came to the College from Mrs. Gordon Bent; in 1982, 500 volumes of rare Western literature came from the estate of DeWitt O'Kieffe, and over 1,000 books in the humanities — many quite rare — came from Mrs. Richard Bentley.

The THOMAS O. FREEMAN SCIENCE LIBRARY, built in 1961, serves the reference and research needs of the Departments of Biology, Chemistry, and Physics. This attractive facility, in which there is particular emphasis on index tools, journals, and reference works, is located adjacent to the classrooms and laboratories of the Johnson Science Center, and provides easy information access for students and faculty alike.

The combined holdings of these two facilities amounts to some 250,000 books, periodical volumes, and government documents. There are about 1,000 currently received periodical titles; 8,000 reels of microfilm and 12,000 other microforms. Approximately 6,000 volumes are added to the College's library collection annually.

Audio-Visual

The A.D. JOHNSON AUDIO-VISUAL CENTER in the Donnelley Library is the focal point of the College's audio-visual program. From here is circulated a wide range of equipment (VTRs, projectors, tape recorders) and tapes for music and language programs. Several thousand tapes and recordings support these programs.

In addition to the Center, audio-visual facilities and collections are located conveniently in various buildings and departments. The well equipped Music Department record collection is supported by up-to-date, superior sound equipment. The Art Department has 60,000 slides. The Reid and McCormick auditoriums are well equipped for film showings, as are many regular classrooms.

The Writing Center

Located on the lower level of the Donnelley Library building, the Writing Center offers individual help to students who wish to improve their writing whether in short papers, lab reports, research papers, senior theses, or letters of application. Lake Forest College's Writing Center is not a clinic; it is a support system for students from all disciplines who want to learn to write well. Staffed by the Center Director and well-qualified student tutors, the Writing Center offers help to students at all levels of writing competency — those needing help with grammar, punctuation, and mechanics as well as those seeking to improve their style. The Center is open during the week, on Wednesday evenings, and Sunday afternoons.

The Writing Center is one of the main features of the College's expanded writing program. Writing is taken very seriously in all disciplines of the College. The faculty expects students to become competent writers and to make every effort to achieve excellence in writing assigned as part of their course work. Recently faculty and

students participated in a three-day conference on reading and writing across the disciplines in an attempt to discuss problems in student work and strategies for improvement. The Steering Committee, which advises and assists the Writing Center Director, is actively engaged in finding ways to increase and improve instruction in writing throughout the curriculum. Writing Center Director: Dr. Grisham.

Computing Facilities

The computer supplements and enriches many courses, including some in the Departments of Mathematics/Computer Studies, Physics, Biology, Chemistry, Economics, Politics, and Sociology/Anthropology. It is used by faculty and students for research and by students in independent studies.

The College owns a Digital Equipment Corporation PDP 11/44 computer which is used for both educational and administrative computing. The system currently supports fifty terminals, placed in six different buildings on campus. Approximately twenty-five terminals (including video terminals, hard-copy terminals, graphics terminals, and a plotter) are available for student use. Most are available sixteen hours a day, and several are available twenty-four hours a day, seven days a week.

The College also owns a number of microcomputers. The Microcomputer Lab in Young Hall contains a dozen Apple microcomputers and several printers, used for introductory programming courses and computer literacy courses. The Microcomputer Lab in Johnson Science Center contains six North Star Horizon microcomputers, used for computer interfacing courses and for research projects.

As part of the recent renovation of Young Hall, two classrooms were equipped with computer terminals and video monitors. This equipment is used for demonstrations in courses which use a computer.

All students have free access to the computing facilities of the College. The computing staff, which includes students, offers non-credit mini-courses to users and provides help with statistical computations, program writing, text editing, and even game playing.

Art Gallery

The Sonnenschein Gallery is in the recently refurbished Durand Institute. It is the scene of monthly exhibitions during the academic year. Centering on the works and interests of the Art Department, the Gallery each year displays faculty and student work, selections from the College's art collection, the work of contemporary Chicago area artists, photography, and — most likely — a traveling exhibition.

Representative of the exhibits mounted during the 1982-83 season are:

—Ceramics by Nicholas Prokos
—Paintings and Drawings by Robert Middaugh
—Colored Pencil Drawings Invitational Exhibition
—Drawings by Peggy Macnamara
—African Art from the Lake Forest College Collection
—Water Colors and Drawings by Beth Shadur
—Studio Art at Lake Forest College

Exhibits are coordinated with teaching and study interests in the Department of Art and other departments.

The College's art collection consists of the Sonnenschein Study Collection of several hundred European drawings and prints, the Freehling Gift of contemporary American prints, many of which hang in Young Hall, a substantial group of Pre-Columbian and African works, and a variety of prints, drawings and paintings from various periods.

REGISTRATION

Each spring students enrolled in the College pre-register for the next academic year. New students have an opportunity to indicate their course preferences during the summer preceding their entrance to the College. Such course choices, including the spring pre-registration plans, are formally completed during designated registration periods in September. All registration forms must be signed by the student's faculty advisor before they can be accepted by the College's Registrar. Additional days are set aside, prior to the spring semester, for the purpose of confirming registration plans, or making changes in those plans. A fee of $3.00 is charged for late registration or late changes. All students must validate their registration for the fall and spring semesters; failure to do so may result in a cancellation of registration.

ADVANCED PLACEMENT

Students who have successfully completed Advanced Placement courses and taken the appropriate examinations provided by the College Entrance Examination Board may apply for college credit for this work. Grades of "3", "4", or "5" on the examinations entitle students to *at least one course credit.* Each department will determine the specific amount of credit to be awarded. Grades of "1" or "2" do not entitle students to credit.

CREDIT BY EXAMINATION

Students may apply to pass a regular course by special examination without prior enrollment. Consent of the instructor and approval of the Dean of the Faculty are required. Where appropriate the instructor may make requirements in addition to the examination. For a credit to be awarded, a grade of C or better must be earned on the examination, but the student's transcript will show only a Credit.

Special examination will not be allowed for courses which are usually part of pre-college curricula (e.g., elementary languages or elementary mathematics), and will not normally be allowed for a course in which the student was previously enrolled or which the student audited.

NORMAL COURSE LOAD, CREDITS, AND FULL-TIME STATUS

A normal course load is four (4) course credits per semester, but a student may choose to take any load between three (3) and four-and-one-half (4½) course credits. An overload is anything in excess of 4½ credits in a given semester*. With the permission of the advisor, advisor, a student may register for an overload if the total is not greater than five (5) course credits in any semester. In the spring semester the majority of students will enroll in 15-week courses. For those students taking advantage of our internship and off-campus programs, however, an adequate number and variety of 7½-week courses are offered. Sufficient space will be reserved in these classes to accommodate our interns and off-campus participants in the spring term after which other students will be permitted to register for them also. Combinations of 15-week and 7½-week courses may be taken, but no more than two 7½-week courses may be taken at one time, no more than three (3) course credits in 15-week courses may be taken at the same time as one 7½-week course and no more than one course credit in a 15-week course may be taken at the same time as two 7½-week courses.

A student has full-time status if he or she is registered for at least a three course credit load (12 semester hours) per semester.

In the fall of each year, students register for a full course load for the entire year, unless they are seniors needing less than a full course load to graduate on time.

ACADEMIC STANDING

A student will be classified as a sophomore if the student has completed 7 course credits, as a junior if he or she has completed 15 course credits, and as a senior if the student has completed 24 course credits. A total of 32 course credits is required for graduation.

The record of every student is reviewed by the faculty at the end of each term, and a student who is not making satisfactory progress toward a degree will be subject to academic dismissal. In general, a student who fails three course credits in a given year or who fails a course while he or she is on academic probation may be subject to dismissal.

*For the tuition fee for a course overload, see page 148.

A student may be placed on academic probation by the Dean of the Faculty or the Academic Appeals Board as a warning that he or she is in danger of academic dismissal. Usually the student will be placed on academic probation after failing two course credits in a given academic year.

GRADES

The College employs an A, B, C, D, F grading system. The A grade is awarded for work of clearly outstanding quality. The B indicates "superior", C "satisfactory", D "marginal". Courses in which a student receives a D grade normally count toward graduation; however, no more than 20 percent of a student's Lake Forest College credits counting toward graduation may be D grades, and the departments may require a grade of C or better in courses prerequisite to more advanced work. A course for which the D grade is received may be repeated for the purpose of improving the grade, but not for additional credit. F indicates failure. Repetition of a course will not remove the original grade, but both grades will be recorded.

With the approval of their advisor, students may choose for each course the option of receiving a notation on the transcript of "credit" to indicate a grade of C or better. With this option, grades of D, F, W, and WF would be recorded on the transcript as usual. Application for this option and for changing back to letter grades must be made before the end of the first two weeks of the semester, or before the end of the first week of classes during 7½ A or B.

Grade reports for failing, barely passing, or incomplete work are issued for all freshman students at midterm. Final grade reports are sent to students at the close of each term.

Incompletes: A student who is prevented by illness from completing the requirements of a course may, on the initiative of the instructor, receive a grade of I (Incomplete). The student must complete the appropriate assignments and deliver them to the instructor no later than the end of the first week of classes of the Spring semester, if the I was received at the end of the fall semester, and no later than one calendar week after the close of the Spring semester final exams, if the I was received in the Spring semester. Instructors are required to turn in the revised grade to the Registrar by the tenth day of the grace period. Extensions of the deadlines require the special permission of the Dean of Faculty. If the Registrar does not receive a revised grade by the appropriate deadline, a grade of F will be recorded in place of the I.

X Grades are awarded at the initiative of the instructor, when a student who has been doing passing work or better in a course unexpectedly fails in a final assignment. The student has the same amount of time to

redo the assignment, or its equivalent, as for an Incomplete, but the revised grade cannot be higher than a D.

THE DEAN'S LIST

The Dean's List recognizes students who have achieved distinguished academic records. It is compiled at the end of each academic year. Only Lake Forest College course credits are counted. To be selected for this honor, a student must have received during the year at least six graded course credits, the student must have received no more than two credits on the Credit-D-Fail option, and the student must have attained a grade point average during the year of at least 3.60.

COURSE CHANGES AND COURSE WITHDRAWALS

(See page 151)

In order to change from one course to another after Registration a student must file a Change of Registration form. *If this is not done failure in the course will be recorded.*

Withdrawal from a course:

a. *Load Reduction From 4½ or Above to No Fewer than 3 Courses* Since the normal course load is defined under the semester system as from 4½ to 3 courses, students may, if circumstances require and the academic advisor approves of the withdrawal in writing, adjust from 4½ courses (or more if the student has previously registered for an overload) to as low as 3 courses, with the following consequences: —

   i. Within the first two weeks of the semester, the withdrawal will be regarded only as a permissible change of registration. Only the courses in which the student remains registered will appear on the transcript.

   ii. In a 15-week course after the end of the second week, but before the end of the eighth week, or in a 7½-week course after the end of the first week but before the end of the fourth week, withdrawal of this type will result in a W on the transcript (unless medical withdrawal is authorized — see page 32).

   iii. After the end of the eighth week of a 15-week course or of the fourth week of a 7½-week course, withdrawal will result in either a W or WF depending on the instructor's evaluation of the student's progress. No student may withdraw from a course after the last day of classes (i.e., during the exam week).

All such withdrawals, although falling within the normal load range, will

be reviewed as a matter of course by the Dean of Faculty before being processed by the Registrar. **There are no refunds for reductions within the normal course load.** *Failure to withdraw officially from any course (including physical education) in which a student is officially registered will result in the recording of a failing grade in that course.*

b. *Reduction of Load to Less Than 3 Courses*
A full-time resident student will not normally be permitted to reduce his or her course load to less than 3 course credits in any one semester.

c. *Medical Withdrawal*
If a student is advised by his or her attending off-campus physician or other appropriate off-campus health care professional to withdraw from one or more courses (but not from the College) after the first two weeks of the semester, or after the first week of a 7½-week course, the student may apply to the Dean of the Faculty for Medical Withdrawal from the relevant course(s).

Applications of this type must be made in writing to the Dean of the Faculty and must be accompanied by the signed statements from the attending off-campus physician or other appropriate off-campus health care professional. After application has been made, students may, at the Dean of Faculty's discretion, receive a grade of MW instead of W or WF.

For course changes which do not fall within the normal full-time student range of 3-4½ course credits, please see information sheet regarding additional charges and/or refunds in the Business Office.

COURSE AUDITING

Students who wish to acquaint themselves with a subject without receiving credit may audit courses, with the permission of the instructor. Auditors are not subject to the requirements of the course, but their participation in the course should be serious. Full-time students need pay no audit fee; for part-time students the charge is $245 per course. Examination for course credit will not be permitted in an audited course.

CLASS ATTENDANCE

Because classroom activities are intended to assist students in the learning experience, it is expected that they will attend class sessions. Each member of the faculty has the prerogative of establishing specific attendance regulations which, in his or her opinion, are best suited to the course.

LEAVES OF ABSENCE

A student who wishes to be on leave of absence may request from the Dean of Students a leave for a minimum of one-half an academic year and a maximum of one academic year as long as a $100 credit balance is established with the Business Office. A refund of the credit balance is available for students on leave who thereafter withdraw if notice is given prior to July 15 (for leaves due to expire in September) or December 1 (for leaves due to expire in January) and the student has not participated in room draw. Academic dismissal will cancel a leave of absence already approved, and a student on leave will be allowed to return without further review of status if at the time of return he or she is in good standing according to the standards then in force. Credit to be transferred must be approved by the student's advisor, the Registrar and, in the case of foreign study, by the Academic Appeals Board.

Any financial deposit or financial aid deadlines which apply to students currently enrolled apply as well to students on leaves of absence.

WITHDRAWAL FROM THE COLLEGE

A student who finds it necessary to withdraw from the College must confer with the Dean of Students and file a withdrawal form. Failure in courses will be recorded for a student who does not withdraw in this manner. Rules governing refunds to students who withdraw are discussed in the section, College Expenses. The actual date of withdrawal is the date on which the withdrawal form is filed with the Dean of Students Office.

MEDICAL WITHDRAWAL FROM THE COLLEGE

Students may apply to the Dean of Students requesting permission to withdraw for certifiable medical reasons. The notation MW (Medical Withdrawal) is to be allowed only where the Dean of Students judges that serious illness (i.e., illness for which the student is placed under the care of an off-campus physician or other appropriate off-campus health professional) requires the student to leave the College for proper treatment and convalescence.

Application for Medical Withdrawal must be made as soon as is practical after the attending off-campus physician or other appropriate off-campus health care professional recommends withdrawal. Such application must include a letter from the physician or other appropriate off-campus health care professional explaining (a) the reason for the student's withdrawal and (b) specifying the date at which the student came under his or her care for that illness.

Financial consequences of Medical Withdrawal are the same as those for Withdrawal from the College. See College Expenses, page 148.

REQUIREMENTS FOR GRADUATION

A total of thirty-two course credits is required for graduation. Of these at least eight, but not more than fifteen, must be taken in the student's major field. No student may take more than fifteen credits in any discipline. If a student chooses an interdisciplinary major in place of a departmental major, more than the minimum of eight may be required, but the upper limit of fifteen still applies with respect to the courses within one discipline. It is required that twelve of the last sixteen credits be Lake Forest College credits and it is required that the last four credits, with the exception of credits earned during internships, be earned on campus. A grade of C or better must be earned in at least eighty percent of the Lake Forest course credits counting toward graduation. Exceptions to these rules can be granted only by the Academic Appeals Board.

The requirement that a grade of C or better be earned in eighty percent of the Lake Forest College credits counting toward graduation applies only to those courses taken in the fall of 1980 or later.

While no specific distribution of courses is required within the electives outside the major, students are urged to choose their courses carefully, keeping in mind that breadth of background as well as concentration in one field of interest are essential ingredients of a liberal arts education. Certain courses require proficiency in mathematics and/or foreign languages. All students are expected to have competence in the use of the English language and to exhibit it in all their oral and written work.

GRADUATION WITH HONORS

Graduation with Honors at Lake Forest College may be achieved in two categories: the grade point average (GPA) and/or the student's major field.

The category for general honors at graduation will consist of *summa cum laude* for GPA's from 3.9 to 4.0, *magna cum laude* for GPA's from 3.7 up to 3.9, and *cum laude* for GPA's from 3.4 up to 3.7. See Lake Forest College Student Handbook for complete requirements and details.

The category for specific honors at graduation in the student's major field is based on a clear demonstration of superior mastery of the subject, and on the ability to do outstanding scholarly work on a senior thesis, as judged by the examining committee. If the Senior Thesis is found to be an outstanding and original piece of research, Senior Thesis Honors will be awarded regardless of whether the student is

graduating with Honors in his or her major field of study. (In exceptional circumstances a well-documented senior research project or imaginative creative project may be a substitute for the senior thesis, provided members of the departments involved give their unanimous approval.) See Lake Forest College Student Handbook for complete requirements. The 1983 graduates who received Honors in the categories are listed on page 171.

PRIZES AND AWARDS

The College community honors and rewards the outstanding achievements of its students and faculty by acclaiming them in public and by awarding them significant prizes at its annual Fall and Spring Convocations.

In keeping with the dignity and College-wide importance of the Convocations, only the most outstanding achievements are to be honored in this way. Prizes are not awarded to the best students in a given graduating class, but to those students who have proved themselves genuinely outstanding by absolute rather than relative standards. Each prize is to be a distinguished and valuable reward commensurate with the occasion and with the prize-winner's achievement.

Such distinction and value are embodied particularly in the prizes endowed and donated by friends and alumni of the College to perpetuate their ties to the academic community. These awards, presented at the Fall and Spring Convocations, collectively express and celebrate not only intellectual and personal excellence but also the special, enduring relationship between present and past generations of Lake Forest College. Outstanding students in academic areas for which there are no endowed or donated prizes are honored out of the College's own prize fund for graduating seniors.

Awards and prizes other than those referred to above are presented at departmental gatherings or at chapter meetings of the respective honor societies.

The endowed and donated prizes are: the McPherson Prizes given in English, philosophy, foreign languages, and dramatics; the Fredericka L. Stahl Awards are presented for excellence in the natural sciences. The Phi Beta Kappa Senior Thesis Award is given for outstanding scholarship in a senior thesis. Lettermen Awards are given to the most outstanding scholar-athletes. The College also offers the Harold Bartlett Curtis Prize in Mathematics, the Sterling Price Williams Prize in Psychology, the Solly A. Hartzo Award in Politics, the Richard Watson Hantke Award in History, the Peterson Award in Economics, the Gail DeHerder Prize in Creative Writing, The Scott Award in Religion, The Angela Knott Butler Prize in Studio Art, The Senior Prize in Art History, the H. Murray Herlihy Economics Prize and the newly endowed Russell C. Tomlinson

Memorial Award in Theatre and the Nicholas J. Wasylik Senior Athletic Award. The Edward H. Oppenheimer Memorial Prize is awarded each year to the senior man and woman judged to have contributed most to the college community, while the Jacob Wardwell Edwards Prize is presented to the freshman demonstrating outstanding qualities of leadership. The Emma O. Haas awards honor the students who have completed all of their course work at Lake Forest College and who have compiled the best all-around academic records in the sophomore, junior and senior years. The Tamara Lee Wefler Award is presented annually to a senior whose spirit and character have encouraged the acceptance of a diversity of values and a sensitivity toward the welfare of others. A list of the 1983 senior award recipients is on page 173.

PHI BETA KAPPA

Phi Beta Kappa is a national honorary scholastic society open to men and women with superior achievement records. Selection is based upon faculty recommendations, grade records, and the breadth of the student's overall program. The Lake Forest College chapter is Theta of Illinois. Both faculty and students are members. See page 170 for the 1983 Phi Beta Kappa graduates of Lake Forest College.

Lake Forest College Courses of Instruction, Majors and Degree Programs

One of the following abbreviations, appearing immediately after the course title throughout the catalog, indicates the semester the course is offered:

F-Fall
S-Spring
S(A)-Jan. 17-March 5, 1984
S(B)-Mar. 19-May 3, 1984

Freshman Studies and Special Interest Courses

All departments of the College offer courses of an introductory nature which are intended primarily for freshmen and which are listed and described under the various departments. All courses designated at the 100 level are recommended for freshmen, and many courses at the 200 level are open to freshmen without prerequisites or special permission. In addition, the College offers a number of courses or sections of courses which are open only to freshmen, and which are smaller in class size than most regular courses, to allow for more concentrated instruction, and to facilitate discussion. These courses have as their principal aim the development of basic skills in writing, critical reading, analysis, oral communication and basic mathematics. The College recognizes the importance of good communication skills and of maintaining good standards in the written work which is a part of course requirements in all departments of the curriculum.

Basic writing skills are the main topic in English 100 (Freshman Composition); written composition and critical reading are also heavily emphasized in the courses known as Writing on Special Topics. Freshman Seminars emphasize research and discussion, and are suitable for students who already feel more confident of their writing skills. Mathematics 100 is for students who have had less than three years of high school mathematics; a placement examination will be offered during freshman orientation and is required for enrollment in Mathematics 100. An additional college resource, important for freshmen, but open to all members of the college community, is the Writing Center, with Ms. Grisham, Director, and student tutors. The Writing Center administers the writing placement test during freshman orientation, by which students can assess with their advisors, whether or not they would benefit from taking English 100, or Writing on Special Topics, or a Freshman Seminar, at some point during the freshman year. More important,

the Writing Center, which is located in the Donnelley Library, offers tutoring in writing, at all levels of difficulty and for all disciplines. Students may enroll for credit on a long-term basis (English 101), or for non-credit tutoring for varying lengths of time.

NB. All the following courses are for credit; none are required courses.

ENGLISH 100 FS Staff

English 100 is a composition course for freshmen and other students who need practice in writing effective expository and argumentative prose. The emphasis in the course is placed on methods of developing unified and coherent papers as well as on grammar, usage and other fundamentals of English. The course will also help develop the student's critical reading ability, offer guidance in the use of the library's resources, and provide individualized aid for writing assignments which students in the course may be preparing for their other classes. To continue to improve writing skills after completing English 100 a student might enroll at the Writing Center for regular or periodic conferences either with the Director of the Writing Center or with an experienced upperclassman writer as a peer tutor. The Director of the Writing Center may recommend taking a tutorial for credit to build on the progress made in English 100.

MATHEMATICS 100 F

Miss Bopp

Basic numerical skills are important for study in many areas, including statistics, computer science, economics, and the physical sciences. Mathematics 100 is a course in elementary algebra, *intended only for students who have had less than three years of high school mathematics,* and who wish to prepare themselves for further quantitative types of study, either in the Math Department or in other areas. Such topics as radicals, complex numbers, relations and functions, solutions of systems of equations and inequalities, and the quadratic function, will be studied in detail.

FRESHMAN SEMINARS

In a freshman seminar, a small group of students, led by one or more faculty, explores a broad issue in human nature or culture from various intellectual perspectives. Each seminar has an enrollment of twelve to fifteen students and places special emphasis on student participation in discussion, on oral and written presentations during the seminar, and on the development of research techniques and analytic skills. Participants should have already demonstrated basic competence in writing.

105 THE OCEANS F Mr. Louch

Covering over 70% of the earth's surface, the oceans constitute perhaps the most important single factor in our terrestrial environment, profoundly affecting climate, communication, food supply, national identities, and the human imagination. In this seminar, with the help of various faculty members from different disciplines, we will study the oceans' past and present role in the earth's ecology and in human culture. Among other things, we will examine them as an environment in themselves, as makers of the world's weather, as a creative stimulus for writers, artists and musicians and as a focus of international conflict and cooperation.

106 CHEMISTRY AND SOCIETY F

Mr. Coutts, Mrs. Klingbeil

What has been the impact of chemicals and chemists on society? What synthesized chemicals, if any, have caused more harm than good? Should society exercise more control over the development of new drugs, fertilizers, food additives, and plastics? These are some of the questions that we will look at analytically in an effort to help the non-scientist decide under what circumstances mankind benefits from altering or replacing natural substances. Particular areas of life to be examined from these points of view include environmental pollution, drugs, nutrition, nuclear energy and wastes, and synthetic polymers. Participants need no previous background in chemistry.

107 MEETINGS, EAST AND WEST F

Mr. C.A. Miller

From the time of Alexander the Great, western civilization has gone to the great civilizations of the East for conquest and adventure, trade and knowledge, wisdom and inspiration. Eastern cultures have come to the West for the same reasons. The seminar

focuses on a series of encounters between East and West (the East represented by India, China, and Japan), asking in each case: Why did they go? What did they find? and Did they really understand? Requirements include a research paper on a "meeting" selected by the student in consultation with the instructor.

108 THE GREEK WORLD: HOMER TO ARISTOTLE F Mr. Cole

H.D.F. Kitto wrote that the Classical Greeks "had a totally new conception of what human life was for, and showed for the first time what the human mind was for". This seminar will examine the Classical view of life and the human condition through the Greek authors' own eyes — through the epic poetry of Homer, the histories of Herodotus and Thucydides, plays by Aeschylus, Sophocles and Aristophanes, philosophy by Socrates, Plato and Aristotle. Discussions of primary readings will be supplemented with perspectives shared by faculty members in the disciplines of archaeology, art, history, literary studies, philosophy, politics, religious studies and theatre.

116 ROBOTS: FANTASIES AND FACTS S Ms. Michaels

Will there ever be robots that can think as human beings do? How close to this possibility are modern computers or "industrial robots"? How are conceptions of these things affecting our views of labor and how are ideas about "machine intelligence" affecting our view of religion, evolution, and human self-awareness? We will discuss the ideas in several works of science fiction about robots and human-machine systems and will judge these writings again after reading and discussing introductory material about brains and computers. Occasional laboratory experiences will be used to illustrate the notion that at least some human experiences can be thought of in machinelike terms. But can **all** human experiences be thought of in this way?

WRITING ON SPECIAL TOPICS

These courses, which may be interdisciplinary or departmental, are designed to help freshman students improve their writing, critical reading and research skills, but unlike English 100 they are focused on a topical theme, each course allocating roughly half the time spent in class to lectures and discussions about the subject matter and the other half to instruction and guidance in writing. Class-size is limited to 17. Writing on Special Topics may or may not count toward a departmental major, depending on the department offering the course.

Although these courses are limited to Freshmen, upperclassmen may enroll under special circumstances. They should consult with the Director of the Writing Center for permission.

103 THE INDUSTRIAL REVOLUTION IN FACT AND FICTION F Mr. Moodie

The Industrial Revolution transformed the face of English society and raised numerous issues about how the new wealth and power, the new industrial towns and the factory workers were to be dealt with. It launched a great debate about the condition of England. Students will discuss and write about different views of the impact of the Industrial Revolution. The reading will include selections from such writers as Marx, Malthus, Dickens and Gaskell. (Also listed as History 103.)

105 AMERICAN MUSICAL THEATRE IN PAST AND PRESENT F Mr. Kirby

A study of representative musical comedies, operettas and related works which will provide topics for papers by students. Emphasis will be placed on relationships to political, social and cultural events. Among works to be discussed are: *The Desert Song, Show Boat, The Three-penny Opera, Porgy and Bess, Oklahoma!, South Pacific, My Fair Lady, A Little Night Music,* and others. (Also listed as Music 105.)

107 LOVE IN LITERATURE AND SOCIETY F Mr. Gray

The literary depiction of love is in one way or another determined by the society in which the writer lives. There may be an attempt to portray love in a manner compatible with the mores of a society, on one hand. On the other hand, a writer may feel the compulsion to flout a society's mores in the treatment of the love theme. This course will deal with the

treatment of love by authors from classical antiquity to our time, and it will afford the student the opportunity to treat the selected works critically in discussion and writing. Erich Segal's *Love Story,* William Shakespeare's *Romeo and Juliet,* and Gottfried's *Tristan* are three of the works that will be read. And in addition to critical writing, the students perhaps will write love poems of their own.

109 INTRAHISTORY: THE SILENT VOICES OF HUMAN HISTORY F Mr. O'Connor

Behind the history of Presidents and Kings, elections and court intrigue, there is a story of millions of men and women whose struggles have gone largely unrecorded. This *Intrahistory* is what the Spanish writer Unamuno saw as the truly human tradition. The course will explore several texts and films which focus on the lives of some of the millions who have made up this silent sea of human experience.

210 OBSERVING THE SCHOOLING PROCESS FS Mr. Tierno

An introduction to the teaching-learning process from pre-school through high school. Participants observe, analyze, and discuss a variety of educational environments, including classrooms with exceptional students and classrooms in multicultural settings. Major focus upon developing competencies in educational library research and writing skills. (Also listed as Education 210.)

SOPHOMORE HONORS SEMINAR

Each year an interdisciplinary honors seminar is taught on the sophomore level. The seminar is designed for Lake Forest sophomores who are prepared for a more than usually demanding and challenging academic experience, who want to read certain classics of the tradition of western thought in a seminar format in which they, rather than the instructor, are primarily responsible for generating the topics for discussion at each class-meeting. Enrollment is limited to fifteen students and requires permission of the instructor.

150 CONCEPTS OF HUMAN NATURE IN THE WESTERN TRADITION F Ms. Grisham, Ms. Ross

The evolution of human self-understanding in Western thought and culture, from the ancient Greeks to the twentieth century. Readings selected from Homer, Plato and Sophocles, Dante, Shakespeare, Marx, Freud, Pirandello, Eliot and Beckett.

THEATRE

Louise C. Mason (Director of Theatre): Acting, Theatre History, Playwriting.

The theatre program is performance oriented and largely extra-curricular. Guided by a faculty committee, the program is highlighted by professional instruction and direction, including an on-campus Director of Theatre and professional guest artists. Students present a wide variety of classic, contemporary and original productions in the recently remodeled, fully equipped Allan Carr Theatre in Hixon Hall. This unique and intimate showcase for performing arts adapts to proscenium, arena, thrust and experimental staging types. A center for campus theatre activity, Hixon Hall provides a home for the Garrick Players productions, studio performances, classroom labs, professional shows and workshops.

The season of productions — open to all students — is managed and staffed by the Garrick Players, an extra-curricular student organization. Experience in all aspects of theatre is offered; acting, directing, playwriting, designing, costuming, lighting, stagecraft and publicity.*

Although a major is not offered, the theatre program has provided professionally taught workshops in addition to the courses in theatre practice. In coordination with Garrick Players productions, creative project credit is available for in-depth, specialized study in directing, playwriting, designing, stage managing, technical directing, advanced acting projects, etc. Credit is available through internships with local professional theatres, and students also enroll in a full range of theatre and dance courses at neighboring Barat College through cross-registration.

*Also see "Theatre — The Garrick Players", page 137.

In addition, there is a local chapter of Alpha Psi Omega, the national dramatics honorary fraternity. It serves to honor scholastically outstanding upper-class students who have shown superior accomplishment in dramatic arts at Lake Forest College.

210 FUNDAMENTALS OF TECHNICAL THEATRE

A lab oriented study of the basics of set design, lighting design, construction, rigging, and production operation. Students also address problems of tech theatre for various types of staging, and briefly study theatre architecture, Emphasis is on students' lab work in preparing and running one of two Garrick Players productions, and on design projects. (Not offered in 1983-84.)

220 FUNDAMENTALS OF ACTING S

Ms. Mason

The basic Stanislavski acting method is studied and practiced through interpretive and physical exercises, monologues, and scenes. The work culminates in final project scenes. No prerequisite.

230 THEATRE HISTORY: GREEKS TO SHAKESPEARE

History of the theatre, from its origins in religious ritual of ancient Greece to the productions of Shakespeare's London. Emphasis placed on acting styles, production techniques, stage and auditorium architecture, and sociopolitical milieu that formed the foundation of the theatre of each culture and period. No prerequisite. (Not offered in 1983-84.)

231 THEATRE HISTORY: MOLIERE TO IBSEN

History of the theatre, from the comedies of Molière to the beginning of twentieth century realism in the productions of Ibsen and Chekhov. Exploration of public versus private theatre, conventions of acting and stagecraft practices, and cultural trends that influenced each period's theatre. No prerequisite. (Not offered in 1983-84.)

242 CREATIVE WRITING — PLAYWRITING AND SCREENPLAY WRITING F

Mr. Bennett, Ms. Mason

A beginning course in the craft of dramatic writing. Problems of writing for stage and screen will be studied. Group discussions and individual conferences. Prerequisite: consent of the instructor. (Also listed as English 242.)

Interdisciplinary Majors and Sequences

INTERDISCIPLINARY COMMITTEES

In lieu of a major in one academic discipline, a student may choose to concentrate in an interdisciplinary field of study. A student who wishes to elect one of these concentrations should confer with the chairperson of the appropriate committee. The interdisciplinary concentrations offered are:

American Studies

Mr. Milne (Chairperson), Mr. Zilversmit, Mr. A. Miller

Students wishing to expand beyond the limits of the traditional disciplines will find in the American Studies program a range wide enough to meet their interests. By providing an interdisciplinary approach to the study of a single culture, the program searches for an understanding of the relations among institutions, ideas, and the artistic imagination within the American experience. The student acquires a firm command of the history, literature and political institutions of the United States, and chooses, according to his or her interest, additional studies among the allied fields of art, economics, music, philosophy, religion and sociology. Since the aim of the program is not merely for the student to collect course offerings from the various departments, but for the student to be able to synthesize the entire American experience through his or her own work, independent study is an important part of the American Studies Program.

The major consists of the following courses: one of the series American Studies 210-220 (Introduction to American Studies, e.g., the 1890's, the 1930's, the 1960's, Thomas Jefferson,

Order and Disorder in the American Experience, Nature in American Life); History 365 (American Thought); American Studies 480 (Senior Seminar); a course in American politics; an additional course in American history; a course in American literature; a course in American music or art; and five additional courses selected by the student with the approval of his/her advisor from among those courses taught at the College which have an American emphasis. These additional courses will include independent studies and a senior thesis where appropriate.

212 INTRODUCTION TO AMERICAN STUDIES: THE AMERICAN 1960's
F Mr. Milne

An examination of a critical period in American history from the multidisciplinary approach of American Studies, using such diverse materials as novels, poetry, biographies, and descriptions of social, political and economic conditions.

480 SENIOR SEMINAR S
Research seminar; readings, oral reports; a major research paper is required.

Area Studies

Mr. Van Hoey (Chairperson), Ms. Grisham, Ms. C. Moodie.

This major serves students whose intellectual curiosity or vocational orientation (foreign service, business overseas, teaching, international organizations, governmental or para-governmental institutions concerned with population, nutrition, conservation, health, crime, etc.) would be furthered by the study of regions and countries outside the United States. It also opens for the student rich possibilities for exploring the potentialities of cross-disciplinary social science.

Individually tailored study plans, combining courses and independent study (tutorials and research), can take several forms, but in every case require three papers. These papers are to be in-depth studies of topics chosen from three of the following fields of emphasis: the arts and literature; the history; the social structure and the economy; and the political life of the chosen area.

Present faculty and library resources are particularly favorable for studies on Africa, Latin America, Western Europe (France, Germany, the Netherlands, Switzerland), the Soviet Union and Eastern Europe. Faculty guidance is also available for interests in Israel, Japan, and Spain. Students who wish to examine the options which are open to them at present will wish to talk with the chairperson of the committee as a first step toward outlining proper study plans.

Behavioral Sciences

Mr. Glassman (Chairperson), Mr. Tierno, Mr. Van Hoey

The Behavioral Sciences committee is particularly aware of the fact that most areas of a liberal arts curriculum are concerned in some way with elucidating human behavior. We are available to assist those who wish to undertake a deliberate examination of this broad issue or who wish to study any aspect of it. In addition to the possibility of guiding an official major in Behavioral Sciences, we want to help those who choose the usual disciplinary majors to find courses relevant to their interests, to contact professors with similar interests, to find relevant material, etc, outside their major discipline. While the committee is particularly interested in developing individualized plans for study, we make the following suggestions for possible interdisciplinary study and invite discussion of specific course sequence and independent study options: communication and language, nonverbal communication, human biological and social evolution, ethology and sociobiology, general systems theory, logic and method of social scientific investigation, comparison of humanistic with scientific inquiry, cybernetics and human-machine relationships, social impact of modern technology, or the relationship between schooling and social-emotional development of children and youth.

A major in Behavioral Sciences requires at least 8 courses, the program to be designed in consultation with the committee. One of these must be a course in scientific method, e.g., Psychology 220 or Sociology and Anthropology 310. A course in statistics is recommended, e.g., Mathematics 150 or Psychology 420 or Economics 330. Majors will be asked to hand in, for approval, a brief progress report and restatement of plans each year.

Comparative World Literature

Mr. Greenfield, Ms. Grisham (Chairpersons), Mr. Garneau, Mr. Gray, Ms. Warehime

Students whose interest in literature reaches across traditional academic disciplines and barriers of language, may plan a substantial major program of studies in comparative world literature around a field of concentration of their own choice. The variety of offerings in comparative world literature, foreign literatures, and English permits a wide range of possible topics (The old world; medieval literature; narrative genres; Modernism; literature and society; literature and the other arts; others). Each student will be assisted by faculty in developing a viable, balanced program to suit her/his interests and purposes.

The courses offered in CWL may be chosen as electives to complement major programs in English, one of the foreign literatures, or other disciplines. For general information regarding the program or individual courses, consult any member of the CWL committee and teaching faculty. Advising of majors: Mr. Greenfield, Ms. Grisham.

Prerequisites for the CWL major: 210 level in a foreign language (normally completed during the junior year, with a grade of "C" or better), or equivalent. Major program (eight courses): CWL 100, normally taken during freshman or sophomore year; English 206 or 300 (or Religion 201 or 202); two courses in foreign language literature beyond 210; one course in literature in translation approved by the program advisor; two courses focused on a period, movement, genre, author, or literature and other disciplines, normally chosen from offerings in CWL, foreign language literature, and English; and CWL 400. Courses must be completed with a grade of "C" or better, to be applicable to the major.

Recommended Electives: Students are urged to study a second foreign language at least through 112. A variety of suitable courses to complement the student's chosen area of concentration are listed elsewhere in the Bulletin. The following courses are especially recommended: History 235 (History and Literature); History 236 (Literature, Society and Dissent in Russia); History 279 (Psychohistory); History 331 (Age of Enlightenment); History 340 (Mass Media, Culture and Society); Philosophy 115 (Existentialist Thought); Philosophy 230 (Nihilism/Paradise); Philosophy 280 (Marxist Thought); Religion 201 (Biblical Heritage: Myth, Legend and History): Religion 202 (Biblical Heritage: Prophets and Teachings); Ancient Med. Civ. 100 (The Classical World); Linguistics 101 (Linguistics and Literature); Sociology and Anthropology 350 (Language and Culture), Theatre 230 and 231 (Theatre History). Tutorials in New Testament Greek, Latin Language and Western Religions are offered by Mr. R. Miller, Department of Religion (Latin, Spring 1984.)

100 INTRODUCTION TO COMPARATIVE LITERATURE F Ms. Weingant

Introduction to the scope and methods of Comparative Literature through the study of selected works from a wide range of periods and national literatures. Topics include genre, theme, movements, cross-cultural influences, literature and other disciplines (history, philosophy, the fine arts, biology), problems in translation, and the linguistic approach to literary texts. Fundamentals of literary interpretation and critical writing are an integral part of the course. Several papers are required, the first one to be rewritten after corrections.

101 LINGUISTICS AND LITERATURE F Mr. Garneau

(Also listed as Linguistics 101.)

Literature in Translation

201 IMAGE AND LANGUAGE: FRENCH WRITERS AND AUTHORS OF THE MODERN PERIOD

Works by critics, philosophers, verbal and visual artists will provide a series of perspectives on image-making. The selection will include journals, letters, poetry, film criticism, film and visual arts by representative artists and writers such as Baudelaire, Delacroix, Van Gogh, Pierre Renoir, Marcel Duchamp, Francis Ponge, Merleau-Ponty and Malraux. Course taught in English. (Not offered in 1983-1984.)

202 CONTEMPORARY SPANISH-AMERICAN NARRATIVE IN TRANSLATION S Mr. O'Connor

"Writing a novel is an act of rebellion against reality, against the gods, against God's crea-

tion...It is an effort to correct, change or abolish substantial reality and to replace it with the formal reality of the verbal worlds the novelist creates." This will be examined in the works of Carpentier, Cortázar, Fuentes, Garcia Márquez, Vargas Llosa and other Spanish-American novelists. (Cross-listed as Foreign Languages, Literature in Translation 202.)

204 PENINSULAR SPANISH LITERATURE IN TRANSLATION

(Not offered in 1983-84. Cross-listed as Foreign Languages, Literature in Translation 204.)

206 WORLD LITERATURE I: MASTERPIECES OF LITERATURE, ANCIENT AND MEDIEVAL F
Ms. Cowler

The origins of western literary tradition traced through such classic figures as Homer, Virgil, Dante, Chaucer and Rabelais, and through selected examples from Greek drama, medieval drama and romance. (Cross-listed as English 206.)

208 WORLD LITERATURE III: EUROPEAN CLASSICS OF THE LATE 18th AND 19th CENTURIES S Mr. Milne

Readings in such major Romantic and early "modern" authors as Goethe, Balzac, Flaubert, Zola, Dostoevsky, Tolstoy, Mann, and Ibsen. (Cross-listed as English 208.)

221 CONTEMPORARY LITERATURE S
Mr. Greenfield

A study of the literature of the last thirty years, including such authors as the Beat Poets, the New Journalism, absurdist drama and black humor fiction. (Cross-listed as English 221.)

222 INTRODUCTION TO FOLKLORE S
Mr. Greenfield

An introduction to various kinds of folklore — fables, riddles, tall stories, fairy tales, trickster tales, legends, folk songs, superstitions and magic formulas — and an exploration of present-day literary and popular use of folklore. (Cross-listed as English 222.)

223 LITERARY TYPES AND TRADITIONS: SHORT STORY

Investigation of the development and character of some genre or form of literature: tragedy, comedy, satire, biography, the lyric, the short story. (Cross-listed as English 223. Not offered in 1983-84.)

300 MEDIEVAL STUDIES: THE CHAUCERIAN AND AUTHURIAN TRADITIONS S Ms. Ross

This course will consider two overlapping traditions of medieval narrative: The courtly romance culminating in Malory's Morte Darthur, and the realistic or bourgeois narrative characteristic of Chaucer. Readings will also explore the continental roots of the English masterpieces, including selections (in translation) from Boccaccio, Chretien de Troyes, and The Romance of the Rose. Prerequisite: English 200. (Cross-listed as English 300.)

302 THE GERMAN NOVELLA S
Ms. Weingant

In German literature the novella constitutes a distinct form of literary art. Its development will be traced from Romanticism to contemporary literature, from E.T.A. Hoffmann to Gunter Grass. (Cross-listed as Foreign Languages, Literature in Translation 302.)

320 MODERN DRAMA

Innovative trends in theatre of the 20th century: Ibsen, Strindberg, Chekhov, Shaw, O'Neill, Brecht, Dürrenmatt, Anouilh, Genet, Ionesco, Beckett, Pinter, and others. (Cross-listed as English 320. Not offered in 1983-84.)

321 MODERN FICTION F Mr. Greenfield

An exploration of modern fiction as it has developed in the late 19th and 20th centuries — including such writers as Dostoevsky, Joyce, Lawrence, Kafka, and Hemingway. (Cross-listed as English 321.)

326 INTERDISCIPLINARY STUDIES

A comparative and interdisciplinary exploration of selected topics. (Cross-listed as English 326. Not offered in 1983-84.)

400 COMPARATIVE LITERARY THEORY AND PRACTICUM

(Not offered in 1983-84.)

LITERATURE IN FOREIGN LANGUAGES

See offerings in French, German and Spanish.

WORLD LITERATURE, PERIODS, MOVEMENTS, GENRES AND AUTHORS

The following courses, offered in the English Department, satisfy the period, movement, etc. requirement for Comparative World Literature majors: English 200 (Middle Ages and Renaissance); English 201 (17th and 18th Centuries); English 220 (Shakespeare); English 225 (Women Writers); English 301 (Renaissance: Age of Experiment); English 302 (John Donne and His Contemporaries); English 304 (Romantic Period); English 305 (Victorian Literature); English 322 (Modern Poetry); English 328 (Special Topics In Film). See English Department listing for above course descriptions.

Environmental Studies

Mr. Louch (Chairperson), Mr. Thompson, Mr. T. Moodie

Interest in matters related to the health of our global environment has created a need for persons with broad backgrounds and training in the environmental sciences and allied areas such as politics, economics, mathematics, and sociology. The Environmental Studies curriculum is designed to fulfill these needs by exposing the student to a variety of required experiences while maintaining flexibility in personal program planning through a number of elective offerings.

An interdisiciplinary concentration in Environmental Studies should include the following courses: Biology 151 (Cell Biology), Biology 152 (Plant and Animal Biology), Biology 153 (Population Biology); Chemistry 110 and 111 (General Chemistry); Economics 110 (Principles of Economics); Mathematics 150 (Introduction to Probability Theory & Statistical Inference) or Economics 230 (Economics Statistics); Computer Studies 111 (Computer Programing I); and one course in Politics above the introductory level to be determined in consultation with the Environmental Studies Committee.

In addition to the required courses, the student should elect at least five additional courses to satisfy the major. To ensure a depth of experience in at least one area, four of these courses must be taken in a single discipline, i.e., biology, chemistry, politics, etc. (freshman or introductory level courses cannot be counted). These courses are to be selected with the approval of the Environmental Studies Committee; examples of such courses are contained in the following list: Biology 261 (American Forest); Biology 220 (Microbiology); Biology 345 (The Insect World) Biology 361 (Plant Systematics); Biology 381 (Ecology); Biology 282 (Marine Biology); Chemistry 220 (Organic Chemistryl); Chemistry 221 (Organic Chemistry II); Chemistry 300 (Biochemistry); Economics 240 (Regional Economics); and Sociology and Anthropology 340 (Demography). Minor adjustments in the program are possible but must be approved in advance by the Committee.

The use of independent studies for topics of special interest to the student also will be encouraged. During the junior or senior year or during the summer between these two periods, the able student will be encouraged to participate in an internship program (arranged by the College) with an appropriate environmental agency. A student who chooses to major in Environmental Studies must choose one of the members of the Environmental Studies Committee as his/her advisor.

Humanistic Inquiry

Ms. Hentz (Chairperson), Mr. Hansen, Ms. Moldof-Kurtz

The function of the committee is to guide the student in developing a program in the humanities which bridges different disciplines. For example, a student might wish to plan a program culminating in a study of the art, history, literature and philosopy of a particular period; or the study of a style, such as the baroque, as it appears in art, music, and literature; or the study of an idea, such as gravity or love.

Interested students must submit for committee approval a study plan which defines the student's interests and goals, lists relevant courses and independent study projects and suggests faculty resources. Requirements will be mutually agreed upon by the committee, the student and his principal advisor (who need not be a member of the committee). Ordinarily, application should be made no later than the first term of the junior year.

International Relations

Mr. Galloway (Chairperson), Mr. Baade, Mr. T. Moodie, Mr. R. Smith

A student concentrating in International Relations is concerned with the approaches by various disciplines — politics, history, economics, sociology, and psychology — to problems which are global in scope, e.g., war and peace, development and under-development, imperialism and national self-determination.

A student concentrating in International Relations will find his or her preparation excellent background for positions in government, especially in the foreign service and the International Communications Agency. In addition, positions with international institutions, such as the specialized agencies of the United Nations and various international businesses are available. Furthermore, the major is a base for social service positions at the national and international level, e.g., the Peace Corps and church groups. Lastly, several majors each year go on to graduate school in political science, law, or business administration.

A major in International Relations must take a core set of courses which will give him or her a firm basis from which to study advanced areas in depth. The core courses will acquaint the student with concepts such as the balance of power, the development of the nation state system in Europe, non-Western history, basic models of human societies, and basic economic principles. The required courses are World Politics (Politics 340), Europe from the Old Regime to the Modern Era (History 118), Human Societies (Sociology and Anthropology 110), and Principles of Economics (Economics 110).

The completion of a foreign language through the 240 level is also a requirement for graduation.

Students must also take two courses from a specifically comparative perspective so as to become familiar with differences and similarities among different states and societies. The two courses may be selected from: Comparative Economic Systems (Economics 111), Western European Politics (Politics 210), Comparative Communist Systems (Politics 211), Third World Politics (Politics 212), Politics of the Middle East (Politics 216), African Politics (Politics 217), and any other comparative courses deemed suitable by the Chairperson.

Upon completion of the core courses and two comparative courses, a student must take four electives which will enable him or her to focus interest on a series of interrelated topics in preparation for the seminar. These four courses or independent studies or internships are to be chosen in consultation with the Chairperson.

345 TOPICS IN INTERNATIONAL RELATIONS F Mr. Galloway
Special studies on topics such as peace research and world order; comparative foreign policy. The topic for 1983 is "The Law and Politics of Outer Space and the Seas." (Cross-listed as Politics 345.)

480 SENIOR SEMINAR S Mr. Galloway
The topic for 1984 is "Global Industries"; an analysis of the oil, aluminum, computer, automobile, and pharmaceautical industries in international political economy.

Scientific Inquiry

Mr. Shively (Chairperson), Mr. Martin

The use of scientific methods and techniques shall be the basis for an investigation of a topic, whether it be scientific or humanistic. Examples of such kinds of projects might be: To explore the use of laser holography as a new art medium; the use of statistics and computer science to investigate a topic in sociology, economics, history, etc. Projects should be submitted to the Committee on Scientific Inquiry for approval.

Sequences

In addition to the interdisciplinary majors, the curriculum also includes a select group of interdisciplinary course-sequences and concentrations, in each of which a number of related courses from different departments are organized around a central topic, such as Women's Studies and constitute a minor program of study in that field of inquiry. A student who

develops as interest in one of these topics consults with the Advisory Committee in order to decide upon a suitable selection and sequence of recommended courses. Upon successful completion of the sequence, which may or may not culminate with an internship or research experience, the student has the option of having the fact recorded on the transcript.

Ancient Mediterranean Civilizations

This interdisciplinary concentration focuses on the ancient Near Eastern, Greek and Roman cultures which are the roots of our western heritage.

In addition to the courses in Ancient Mediterranean Civilizations described below, the following courses currently offered by various departments of the College are relevant to the concentration: Art 210 (Ancient Art), English 109 (Myth and Literature), English 206 (Masterpieces of Literature), History 101 (Western Civilization), History 210 (The Ancient World), Philosophy 211 (History of Philosophy: Ancient Greece), Religion 201 (Biblical Heritage: Myth, Legend and History), Religion 202 (Biblical Heritage: Prophets and Teachings), Religion 209 (Archaeology of the Biblical World), and Sociology/Anthropology 209 (Cross-listed as Religion 209).

A student completing six course credits in the concentration from at least four disciplines (counting Ancient Mediterranean Civilizations as a discipline) has the option, with the approval of a faculty supervisory committee, of having the fact recorded on his or her transcript. The committee also assists students wishing to shape an interdisciplinary major in Humanistic Inquiry focused on studies in Ancient civilizations.

Under the rubric of Ancient Mediterranean Civilizations five courses are offered which deal with different aspects of Ancient Greek Civilization in particular, three of which are offered in Greece: Ancient Mediterranean Civilizations 202, 203 and 204. Advisor: Mr. Cole.

100 THE CLASSICAL WORLD F Mr. Cole
Introduction to the history, culture and literature of the Greeks from the Homeric Age through the Classical Period. Class discussion of primary readings in translation from Greek poets, playwrights, historians and philosophers, from Homer to Aristotle, plus secondary resources focused on the history, art, geography, and culture of ancient Greece. (Offered in 1983-84 as Freshman Seminar 108, The Greek World: Homer to Aristotle).

110 ARCHAEOLOGY OF THE ANCIENT GREEK WORLD S(A)* Mr. Cole
Introduction to major archaeological sites and discoveries in the Aegean region, from the Minoan and Mycenaean sites on Crete and the Peloponnese to Classical remains at Athens, Delphi, Epidaurus and Olympia and the Hellenistic to Roman development of cities such as Pella, Corinth, Miletos and Ephesus. Attention will be given to aspects of Greek culture and history reflected in the physical remains and to the evolving discipline of archaeological investigation. Slide-illustrated lectures, discussion of selected readings and student reports on individual research.

202-204 COURSES IN GREECE S Staff
These courses provide on-site study of the cultures of the Aegean world from Minoan through Byzantine periods as understood through ancient sites and museum artifacts examined within their geographic setting.

Students normally will enroll for 2 of the 3 as the second-half of their spring semester, but may arrange to take all three plus an independent study in Greece for a full semester.

All courses are taught on an interdisciplinary basis and are cross-listed in Art, History and Sociology/Anthropology. Students may designate how to allocate their course credits among these departments, with a limit of two course-credits within any one department (in History with the department chairperson's consent; in Sociology/Anthropology contingent on prior completion of S & A 110 or 150 or equivalent introductory course.)

To be eligible for acceptance in the program, students must have at least sophomore standing, good academic records and references, and have completed at least one course in Greek history and literature (Anc. Med. Civ. 100 or equivalent) or at least two courses in the combination of general art history and ancient history or archaeology (History 210 or Anc. Med. Civ. 110 or equivalents.)

*7½ week course.

202 GREECE IN THE BRONZE AGE S (B: MARCH)
The Minoan and Mycenaean cultures studied through archaeological sites and museum materials on Crete and in the Peloponnese. Periods of study based in Herakleion and Nauplia, alternated with periods of group travel-study at Minoan sites on Crete, Santorini and Mycenaean sites in the Argolid and elsewhere.

203 GREECE IN THE CLASSICAL-ROMAN AGES S (B: APRIL)
Periods of study in Athens, Delphi, Corinth and Olympia, supplemented by group travel-study at other sites of the Classical to Roman periods in the Peloponnese and central Greece, and on the island of Delos.

204 GREECE IN THE BYZANTINE-MEDIEVAL AGES S (B: MAY)
Periods of study in Byzantine churches and museum collections in Athens and Salonika, followed by group travel-study to Meteora, Mistra, Nauplion, and on the island of Patmos.

Black Studies

The sequence in Black Studies consists of courses in the Departments of History, Politics, Music, Psychology and Sociology and Anthropology. The courses are History 217 (Introduction to Sub-Saharan Africa), History 252 (Topics in Afro-American History), Politics 217 (African Politics), Psychology 117 (Psychology of Racism and Other Forms of Oppression), Sociology and Anthropology 220 (Peoples and Cultures of Modern Africa), and Music 227 (History of Jazz). In order to have the sequence listed on a transcript a student must undertake an inter-disciplinary research project or internship, and successfully complete four of the above courses. Advisor: Mr. Gray.

Women's Studies

An interdisciplinary concentration in Women's Studies may be undertaken (in addition to a student's course major), under the guidance of the Committee on Women's Studies. The program includes an interdisciplinary research project or internship, plus the following core courses: Philosophy 200 (Feminism: Philosophical Issues); Psychology 230 (Psychology of Women and Men); Sociology and Anthropology 280 (Sociology of Sex Roles); Art 250 (Women in Art); History 271 (Women in Modern History: Europe and America); English 225 (Women Writers).

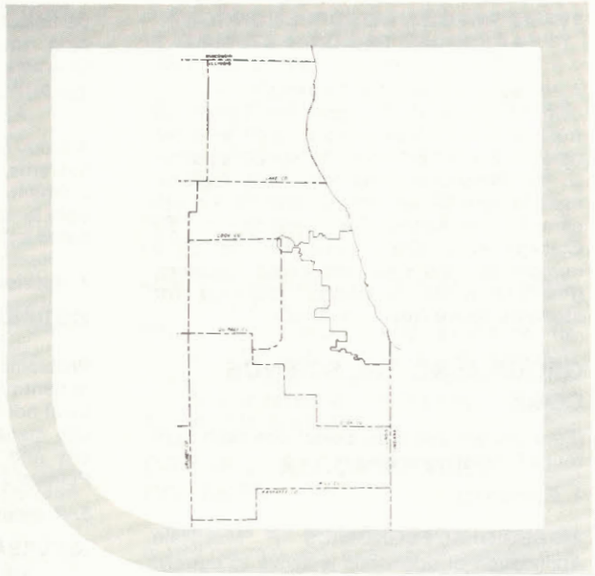
Additional courses in the curriculum pertaining to Women's Studies include: Economics 112 (Radical Economics); Economics 420 (Labor in the American Economy); Psychology 210 (Development of Personality); Psychology 211 (Adulthood and Aging); Psychology 365 (Psychology of Human Sexual Behavior); English 109 (Myth and Literature); Politics 218 (Topics in Comparative Government: Women and Modernization in the Third World).

Students completing at least five courses with a Women's Studies component, including at least three of the core courses and an appropriate research project or internship have the option, with the approval of the committee, of having this fact recorded on their transcript. Advisors: Ms. Eskilson, Ms. Riger and Ms. Grisham.

Institute Major

Institutes are interdisciplinary, building on a core of existing liberal arts courses, and they are career oriented, requiring students to complete an internship in appropriate agencies or businesses. An Institute is headed by a director who works closely with a group of professors who have their appointments in the various departments but who teach courses which are essential to a particular Institute major. In 1974 Lake Forest College established its first Institute, the Robert E. Wood Institute for Local and Regional Studies.

THE ROBERT E. WOOD INSTITUTE FOR LOCAL AND REGIONAL STUDIES



††Professor Ronald P. Grossman: Ethnic Studies
‡Professor Rosemary D. Hale: Regional Economics
Associate Professor Michael H. Ebner: Urban History
Associate Professor Arlene Eskilson: Research Methodology
Associate Professor Paul B. Fischer: Urban and Suburban Politics
Assistant Professor Richard F. Dye: Public Finance
Assistant Professor Thomas G. Fuechtmann (Director): Local and Regional Studies, Public Administration and Planning.

Through an integrated social science program with heavy emphasis on the acquisition of research tools and practical experience, the Robert E. Wood Institute for Local and Regional Studies guides students to an understanding of the complexities of life in the great metropolitan regions (comprising large inner cities and suburban townships) in which a majority of the world's population now lives. The Institute aims also to help prepare its student members for graduate and professional school and for such careers as planning, public management, and social services in local, regional, and urban contexts.

The Local and Regional core courses in the social sciences (in economics, politics, planning, sociology, history and psychology), enable students to explore social trends and public policy as they affect local and regional concerns. They are followed by a series of courses stressing research and decision-making tools and their application to metropolitan problem-solving. The program culminates in a sequence of internships and research experiences

††Sabbatical Leave of Absence, Fall, 1983
‡Part-time Teaching, 1983-84.

which not only integrate the student's previous academic studies but also provide a transition to graduate school and professional work.

Although the Institute focuses on the metropolitan region as a whole, and is particularly concerned with the suburban fringes, it recognizes the significant role of the central city and emphasizes Chicago for this purpose. The Institute's affiliation with the Chicago Urban Studies Program of the Associated Colleges of the Midwest (ACM) offers our students an intensive exploration of the complexities of Chicago. However, Institute majors, for their culminating research activities and internships, tend to concentrate their attention on the surrounding communities in the northern suburbs of the Chicago metropolitan region.

110 METROPOLIS: INTRODUCTION TO LOCAL AND REGIONAL STUDIES F
Mr. Fuechtmann

A survey of problems and possibilities in city center and suburb. Designed particularly for freshmen, this course provides (1) an interdisciplinary introduction to social science, (2) an introduction to local and regional studies, and (3) an introduction to the off-campus resources for learning in the Chicago area. The course will include a number of field trips and guest speakers. (Permission of instructor required for students above freshman level.)

GROUP A: SOCIAL SCIENCE CORE

(Four courses required. Select one each from four of the six areas.)

1. Economics

240 REGIONAL ECONOMICS F Mrs. Hale

Application of economic analysis to current problems of urban and suburban America, such as housing, transportation, growth and finance. (Also listed as Economics 240.)

2. History

263 THE MODERN AMERICAN CITY F
Mr. Brown

The changing functions, scale and quality of urban society, seventeenth century to the present. A framework for viewing modern American metropolitan problems in economic and cultural context. Some field work in metropolitan Chicago. (Also listed as History 263.)

3. Public Administration and Planning

255 INTRODUCTION TO PLANNING S
Mr. Fuechtmann

A survey of planning concepts, historical development of planning in America, theories of planning, planning and organizational decision making, advocate planning and citizen participation, and an introduction to planning tools. Prerequisite: Social Science Course at the 100 level.

320 PUBLIC ADMINISTRATION AND POLICY ANALYSIS

A study of the role of bureaucracy in political systems, with some emphasis on local government. The course includes an introduction to the analysis of public policy. (Also listed as Politics 320. Not offered in 1983-84.)

4. Politics

223 URBAN AND SUBURBAN POLITICS F
Mr. Fischer

Problems of political and social organization in central cities and suburbs. Topics include local political parties, machines, mayors and city managers, and differences between big city and suburban politics. (Also listed as Politics 223.)

5. Sociology

330 URBANIZATION AND SOCIAL DEVELOPMENT S Mr. Van Hoey

Levels and rates of urban concentration in function of expanding scale of organization of society; relations between techno-economic system, demographic movement and differentiation of local and regional settlement patterns. Definitions of urban problems and models of planning policy. Prerequisite: 2.25 grade point average in Sociology/Anthropology 210; Sociology/Anthropology 110 or 170. (Also listed as Sociology/Anthropology 330.)

340 DEMOGRAPHY

Population, size, socio-technical base, and environment; measurement of demographic change (fertility, mortality, migration) and demographic structure (age, sex, education, dependency, life expectancy). Determinants of demographic changes: economy, education, family planning, birth control. Theories, models, and policies. Prerequisite: Sociology and Anthropology 110. (Also listed as Sociology/Anthropology 340. Not offered in 1983-84.)

6. Psychology

430 COMMUNITY PSYCHOLOGY: SOCIAL SERVICES AND SOCIAL CHANGES S Ms. Riger

The effect of the social and physical environment on the mental health of individuals; the impact of urban and rural settings on people; theories and methods of changing communities; utopian communities. Prerequisite: Senior standing or permission of instructor. (Also listed as Psychology 430.)

GROUP B: RESEARCH TOOLS

(2 courses)

150 INTRODUCTION TO PROBABILITY THEORY AND STATISTICAL INFERENCE S Mr. Troyer

Designed for students in the social and life sciences. Finite probability theory, distributions, sampling, correlation and regression, chi-square and other tests of significance. Emphasis on the use of the computer as a tool and on applications to a variety of disciplines. (Also listed as Mathematics 150.)

OR

230 ECONOMIC STATISTICS F
Mr. Chessen

Distribution analysis, probability theory, sam pling theory, statistical inference, regression and correlation analysis, with emphasis on application of statistical techniques to economic problems and policies. (Also listed as Economics 230.)

310 SOCIAL RESEARCH: DESIGN F
Ms. Eskilson

Ethical and political considerations regarding social research, logical links between theoretical perspectives, problem selection, and choice of empirical data; qualitative and quantitative aspects of research; major forms of design; the research proposal. Prerequisite: Sociology and Anthropology 110 or 170. (Also listed as Sociology/Anthropology 310.)

GROUP C: FIELD AND RESEARCH EXPERIENCES

(3 course credits; 2 credits must be earned by internship or ACM Urban Term.)

322 URBAN PUBLIC POLICY S
Mr. Fischer

An examination of a number of policy areas such as education, race, housing, crime and transportation, as they related to the future of American cities. (Cross-listed as Politics 322.)

420 ADVANCED SEMINAR F
Mr. Fuechtmann

Applied research on urban development in a near-by local community. Intended for majors in Local and Regional Studies who have already completed several required courses. Open to non-majors with necessary pre-requisites. Permission of instructor required for all students. In 1983 the seminar will study urban revitalization in Waukegan, Illinois.

490 INTERNSHIP S (A, B)* Mr. Fuechtmann

Relates theory to practice by placing students in governmental agencies, community interest groups and public and private planning operations. For more details see Lake Forest College internship brochure. (2 course equivalent)

ACM URBAN TERM IN CHICAGO 4 credits, F or S

Wide-ranging experiential exposure to Chicago through seminars, independent study, internships, meeting with community actors, and residence in the city. Campus Advisor: Ms. Eskilson.

GROUP D: RECOMMENDED COURSES

Students are encouraged to augment required courses with a variety of optional and related courses at the college. Courses recommended for 1983-84 include:

Art 111 (History of Architecture) F Mr. Schulze

Chemistry 106 (Energy and You: Ecological Approach) S Mr. Thompson

Computer Studies 115 (Introduction of Administrative Programming and Applications) S Mr. Carmony

History 370 (Oral and Community History) F Mr. Brown

Local and Regional Studies/Economics 440 (Public/Finance) F Mr. Dye

Psychology 355 (Social Psychology) S Mr. Behling

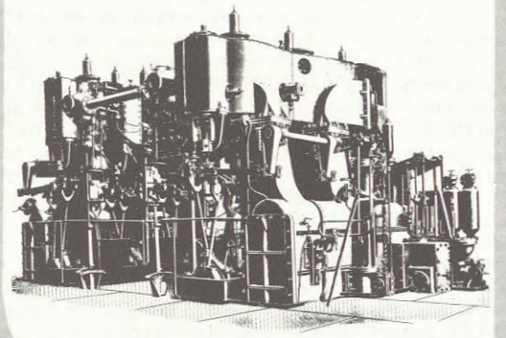
Sociology and Anthropology 217 (Sociology of Work) S Ms. Eskilson

*7½ week course

Sociology and Anthropology 260
(Social Psychology)
F Ms. Strong

Sociology and Anthropology 271
(Social Psychology)
F Mr. Segal

Cooperative Degree Programs



While the faculty and administration of the college have seen fit to establish the institute program, by which students' career concerns are integrated into the liberal arts curriculum, a number of reputable professional schools have recognized the importance and value of grounding even highly specialized professional training for specific careers, such as engineering and nursing, in the liberal arts tradition. To that end, the School of Engineering of Washington University, (St. Louis) The University of Chicago's School of Social Service Administration, and Rush University (Chicago) have each set up cooperative degree programs with Lake Forest College. Their purpose in this is to ensure that an important percentage of their narrowly specializing students will have had their initial training and course work in a liberal arts setting and will bring to their specialized studies not only a fundamental knowledge of their subject, but also a sense of broader ethical concerns and a flexibility of mind which the small college is able to foster. In the following programs students spend their first two or three years of college at Lake Forest and then go on to their respective pre-professional schools for a further two years to complete training in their chosen fields.

Students accepted into the 3-2 programs are to complete a Leave of Absence form in the Office of the Dean of Students, before departing the Lake Forest campus to enter the professional institution.

3-2 PROGRAM IN ENGINEERING

Lake Forest cooperates with Sever Institute of Technology, Washington University, St. Louis, in a program designed for students who wish to become professional engineers but who also wish to receive a rigorous liberal arts education at the same time. The program requires each participating student to complete 24 course credits (20 taken at Lake Forest College) before going on to Sever Institute of Technology, in the School of Engineering and Applied Science at Washington University, for a further two years, after which time he or she receives a Bachelor of Arts degree from Lake Forest (see restrictions below), and a Bachelor of Science from Washington University. With an enhanced background in social sciences and humanities, the prospective engineer is better prepared to assume the responsibilities of leadership in contemporary society.

The exact selection, combination, and sequence of courses to be taken at Lake Forest, both in the natural sciences and in the social sciences and humanities, depends on the type of engineering to be pursued at Washington University. Early consultation with the program advisor, Mr. Schmidt, is vital in order to formulate and initiate the most appropriate course schedule. The recommended core of courses includes the following: calculus and differential equations (Math 110, 111, 214), introductory chemistry (Chemistry 110, 111), general physics (Physics 120, 121), computer sciences (Computer Studies 111), 5 courses in the humanities and social sciences, including 2 in one field, with at least one of those at the 300 or 400 level. The remaining courses are drawn from the sciences and humanities at the discretion of the student and advisor. While at Lake Forest College the student must register as a major in a department related to that of the professional major to be obtained. The chairperson of the major department must certify that the student has completed at least three fourths of the major requirements at Lake Forest College. If all of the requirements for the major have not been met at LFC, the Lake Forest College degree will be a B.A. with no major specified.

Admission to the final two years of the program is at the discretion of Washington University. The minimum requirements are a B average, with no transfer of credit for courses with grades lower than C, and the formal recommendation of Lake Forest College. Students accepted into the 3-2 program are to complete a Leave of Absence form in the Office of the Dean of Students, before departing the Lake Forest campus to enter the professional institution. For further details regarding requirements, options, and course work at Washington University, students should consult with the Lake Forest program advisor, Mr. Schmidt.

2-2 PROGRAM IN NURSING

Lake Forest College and Rush-Presbyterian-St. Luke's Medical Center have established a joint four-year program leading to the Bachelor of Science degree in nursing from Rush University. Students in this program normally spend the first two years at Lake Forest, working on a series of prescribed courses in the natural and behavioral sciences, to prepare for two years of further scientific course-work and clinical training in the nursing program at Rush. The schedule for the first two years, however, also allows the student to take electives in the liberal arts and thereby to acquire a good general education and enjoy the atmosphere of undergraduate college before proceeding to the more specialized training of the nursing school. The precise combination, and the timing and sequence of courses are worked out in consultation with the student's advisor and depend on the student's preparation and the College's class schedule, but the core requirements which each candidate for the nursing program must complete at Lake Forest College are as follows: Chemistry 110 (General Chemistry), Chemistry 220 (Organic), Biology 151 and 152 (General Biology), Biology 241 and 242 (Vertebrate Anatomy and Physiology), Biology 220 (Microbiology), Mathematics 150 (Statistics), Psychology 110 (Introduction), Psychology 210 (Personality Development); and at least one other course in Psychology or Sociology/Anthropology. The remaining four or five courses are electives, to be selected in consultation with the advisor.

It is very important that any student entering Lake Forest with the intention of pursuing the Rush Nursing Program begin fulfilling the requirements immediately, if he or she wishes to move on to Rush at the end of two years. Consultation with the program advisor, Ms. Klingbeil, is essential at the time of registration.

Admission to Rush as an affiliated student requires an overall grade point average (GPA) of 2.5 (based on a 4.0 scale). The GPA must be 2.5 for required natural science courses, 2.5 for required behavioral science courses, and 2.0 for electives. Only grades of C or better in required courses are accepted.

During the last two years of the program, at Rush's medical center in Chicago, students take a number of advanced courses in the natural and behavioral sciences, in addition to twelve to fifteen hours a week of clinical experience in the 850-bed hospital, in the areas of medical, psychiatric, community, surgical, pediatric and obstetrical nursing. Upon completion of the four-year program, the graduate receives a Bachelor of Science in Nursing from Rush University and is eligible to take the examination to become a Registered Nurse, or to go on to graduate study in nursing.

2-2 PROGRAM IN MEDICAL TECHNOLOGY

Parallel with the joint program in Nursing is a program in Medical Technology which enables qualified Lake Forest students to be admitted at the end of the sophomore year to Rush University College of Health Sciences. There the students pursue a final two years of course work and laboratory work in order to receive the Bachelor of Science degree in medical technology, thereby preparing for a career in this vital aspect of the medical profession and the expanding health-care field. Lake Forest students in the program take a core curriculum of courses in the natural sciences, along with an appropriate selection from the humanities and social sciences.

The basic course requirements for the first two years at Lake Forest are: Chemistry 110, 111, and 220; Biology 151 and 220 and one additional course in Biology; and Mathematics 150. The remaining seven or eight courses are electives to be selected in consultation with the advisor. Students who hope to complete the basic requirements successfully within the two years must begin them in their first term at Lake Forest. Therefore, consultation with the program advisor, Ms. Klingbeil, is essential at the time of registration.

Admission to Rush as an affiliated student requires an overall grade point average (GPA) of 2.5 (based on a 4.0 scale). The GPA must be 2.5 for required natural science courses, 2.5 for required behavioral science courses, and 2.0 for electives. Only grades of C or better in required courses are accepted.

3-2 PROGRAM IN SOCIAL SERVICE

The 3-2 program with The University of Chicago's School of Social Service Administration provides qualified Lake Forest students with an opportunity to enter graduate school following the junior year, with the purpose of obtaining a Master of Arts degree in social service administration or counseling. The Bachelor of Arts from Lake Forest College is awarded after completion of The University of Chicago Masters requirements. The program has two directions of study: one for students who wish to concentrate on counseling, the other for those who are primarily interested in social service administration.

Of the 24 course credits required (at least 20 of which must be Lake Forest College course credits), students will normally be asked to complete 8 in Sociology/Anthropolgy, and 6 in Psychology, if their preference is for social service administration; and 8 in Psychology with 6 in Sociology/Anthropology if they intend to concentrate on counseling. The actual selection and distribution of courses is worked out by the student and the advisor. Some internship experience is normally included in this course work. If a major in Sociology/Anthropology or Psychology is not completed at Lake Forest College, the LFC degree will be a B.A. with no major specified.

Admission to the University of Chicago part of the 3-2 program is not automatic; students must demonstrate in their undergraduate work a high degree of competence and aptitude, as measured by performance in classroom courses and internships, and by faculty evaluation.

Students and prospective students interested in exploring social work as a career possibility should get in touch with Mr. Van Hoey, the program advisor. It is important to get an early start on planning an appropriate curriculum, if it is to be completed successfully in three years. Students accepted into the 3-2 program are to complete a Leave of Absence form in the Office of the Dean of Students, before departing the Lake Forest campus to enter the professional institution.

3-2 PROGRAM IN PUBLIC POLICY STUDIES

The 3-2 program with the University of Chicago's Program in Public Policies Studies provides qualified Lake Forest students with an opportunity to enter graduate school following the junior year, provided that they have completed a major at Lake Forest College, with the purpose of obtaining a Master of Arts degree in Public Policy Studies. The Bachelor of Arts from Lake Forest College is awarded after the completion of The University of Chicago Master's requirements. The two year program at The University of Chicago includes a series of courses devoted to analysis in economics, political science, and statistics, and a series of policy seminars devoted to the scholarly, interdisciplinary investigation of specific public policy issues. The first year of the two year professional degree program is devoted to the study of the analytic skills required in policy analysis. The second year is devoted to the study of those policy issues of most concern to individual students. Examples of policy areas are science and technology, foreign and domestic economic policy, welfare policy, urban and housing issues, government regulation, and health policy.

The program is open to undergraduates majoring in any discipline of the humanities, natural sciences, or social sciences, but students planning graduate work in public policy would benefit from some undergraduate work in calculus, statistics, economics, political science, and sociology/anthropology.

Admission to The University of Chicago part of the 3-2 program is not automatic; students must demonstrate in their undergraduate work a high degree of competence and aptitude, as measured by performance in classroom courses and internships, and by faculty evaluation. Students and prospective students interested in exploring public policy as a career possibly should get in touch with the program advisor. It is important to get an early start on planning an appropriate curriculum, if it is to be completed successfully in three years. Students accepted into the 3-2 program are to complete a Leave of Absence form in the Office of the Dean of Students, before departing the Lake Forest campus to enter the professional institution. Campus Advisor: Mr. Fuechtmann.

THE GRADUATE PROGRAM IN LIBERAL STUDIES

***Arthur Zilversmit (Director): Professor of History
Bailey Donnally: Provost and Dean of the Faculty; Professor of Physics
Forest Hansen: Professor of Philosophy
†††Charles D. Louch: Professor of Biology
W. Gordon Milne: Professor of English
Robert Glassman: Professor of Psychology
David L. Krantz: Professor of Psychology
Carol Gayle Moodie (Associate Director): Lecturer in History

The graduate liberal studies program is designed for people with a bachelor's degree who want to enhance their ability to organize conceptually the social, scientific, and humanistic dimensions of the world of the late twentieth century. It is interdisciplinary in nature and non-professional in intent. Graduate education in the liberal arts is based on the assumption that beyond the technical competence required for certain tasks, people need the breadth and wisdom that have traditionally been fostered by the liberal arts. It is no longer possible (if it ever was) to complete a liberal education in four undergraduate years; a truly liberal education, which includes the ability to integrate knowledge from widely different fields, is indeed the task of lifelong learning.

At the heart of the M/LS program is a series of interdisciplinary seminars, team-taught by faculty members representing different disciplines. The emphasis in these specially designed seminars is on integrating the approaches of the different disciplines rather than on acquiring specialized knowledge in one of them. Students in the program are also required to undertake a master's project, again of an integrative, multidisciplinary nature. The aim of the program is to foster the ability to integrate knowledge from several fields and to deal with major questions in the light of the wisdom afforded by a broad knowledge of the liberal arts.

Graduate programs in liberal studies have appealed to businessmen who are moving into upper management roles and see the need for a broad, liberal arts program to help them deal

***Leave of Absence, Spring, 1984
†††Sabbatical Leave of Absence, Spring, 1984

with some of the larger issues they face as they represent their corporations to the outside world. Teachers and librarians have enrolled in graduate liberal studies programs as an alternative to further graduate work in education or a single academic discipline; they find that the broad concerns of a non-disciplinary master's program more closely meet their needs. A third group of students choose this program as an alternative to a self-directed program of reading or to participation in a series of unrelated adult education courses. For them the program provides a carefully organized, coherent approach to further learning in association with other adults who share their concerns and interest.

Ten units are required for the M/LS degree: three interdisciplinary seminars, five electives, a colloquium and a master's project. Candidates must earn a grade of "B" or higher in all elective courses to have them count toward the degree. A grade "C" is considered passing in the interdisciplinary seminars, but a student must have an overall average of "B" or higher in order to obtain a master's degree.

The normal undergraduate course load at Lake Forest College is eight courses per year, but M/LS students are not required to take any minimum number of courses per year to remain in the program; part-time students are encouraged. Since most of the participants in the M/LS program hold full-time jobs or have other responsibilities, the typical pattern has been for graduate students to take one or two courses per semester. There is no penalty for not taking a course each term and there is no arbitrary limit on how long a person may take to finish the program.

Interdisciplinary Seminars

The core of the program is three interdisciplinary seminars centering on the three broad divisions of the curriculum—the humanities, the physical sciences and the social sciences. The seminars meet once a week for a term (fourteen weeks) and carry four hours of graduate credit. (In summer sessions the seminar may be offered in a shorter, more intensive format.) Requirements for the seminar include a substantial research paper on a topic related to the subject of the seminar, chosen by the student in consultation with the instructors. Students enrolled in the M/LS program are expected to take one of the interdisciplinary seminars during their first term at the College. In a term when no interdisciplinary seminar is offered, a student may, with the permission of the M/LS Committee, begin the program with an elective course but no students will be granted admission to candidacy until they successfully complete an interdisciplinary seminar.

The following interdisciplinary seminars have been offered; additional topics are added to the curriculum each year:

510 DARWIN AND HIS IMPACT ON HIS WORLD AND OURS

The scientific and social scientific concepts of evolution; the world view that Darwinism replaced; the religious response to Darwin's theories; the ways in which social science and popular thinkers used the prestige of scientific theory to justify contemporary business practices; the impact of Darwinism on literature (realism and naturalism); scientific developments since Darwin and the manner in which the study of genetics has confirmed and modified Darwin's theories; the new "sociobiology", the genetic and cultural-evolutionary determination of human behavior. *Professors Faber (Physics), Louch (Biology), Milne (English and American Studies), and Zilversmit (History).* (Not offered in 1983-84.)

512 THE WHOLE AND THE SUM OF THE PARTS

In what ways does it contribute to our understanding of reality to break up systems into their smallest units? Does the pursuit of the atom provide the only way of understanding the real nature of matter and living things? How has atomic theory changed since the time of Lucretius? What are the relative advantages of understanding people by looking at them as individuals (psychology) or as parts of groups (sociology and social psychology)? In politics what are the relative advantages and disadvantages of an atomistic as opposed to an organic view of society? How does the individualistic, romantic tradition in literature differ from the classical tradition? *Professors Milne (English and American Studies) and Zilversmit (History).* (Not offered in 1983-84.)

514 THE ECONOMY AND THE ENVIRONMENT

An examination of the complex relationship between the need to preserve the environment and other social goals such as economic growth and the development of energy resources; the concept of "ecology" as a way of understanding our environment; the historical background of current environmental issues; alternative energy policies and their implications; population growth and the environment. *Professors Louch (Biology) and Zilversmit (History).* (Not offered in 1983-84.)

516 THE IDEA OF LAW S

The concept of law is a crucial one in both the physical and the social sciences. Is the word used the same way in the natural and social sciences? Has the concept of law changed over the years? How does "natural" law differ from "positive" law? In what ways has the philosophical basis of law changed? How does literature enlarge our understanding of law in these several senses? *Professors Donnally (Physics), Milne (English and American Studies), and C. Moodie (History).*

518 INTELLECTUAL REVOLUTIONS OF THE TURN OF THE CENTURY: PSYCHOLOGY, PHYSICS, THE ARTS

In the unsettled period just before and after 1900 a number of intellectuals developed radically new ways of thinking about the natural world, society, and man's nature and artistic vision. These amounted to a series of profound intellectual revolutions, ones that worked their way down into the general consciousness in the years after World War I. Against the background of the intellectual malaise of the 1890's, we will examine the contributions of some major thinkers who have had decisive influence on our world view, including Freud, Einstein, Joseph Conrad and Thomas Mann, and art critics who helped create the new sensibility of modernism. *Professors Faber (Physics), Hansen (Philosophy) and T. Moodie (History).* (Not offered in 1983-84.)

520 THE MIND AND THE BRAIN

Can our understanding of human thought and creativity be enlarged through study of the brain? What is the relationship between the brain and human mental processes and emotions? Does the analogy of the brain and the computer help us to understand human thought and mental illness? The seminar will explore what philosophers, novelists, psychologists and religious thinkers have said about the basic problems of establishing the links between the brain and the infinite complexities of human thought, emotions and creativity. *Professors Glassman (Psychology), Hansen (Philosophy) and Zilversmit (History.)* (Not offered in 1983-84.)

522 THE EIGHTEENTH CENTURY: THE EVOLUTION OF A NEW WORLD VIEW

The new scientific climate established by the writings of Sir Isaac Newton in the context of the political and economic upheavals at the end of the Seventeenth Century, culminating in the world view of a rising middle class. This view was challenged by a generation of great writer-satirists who held fast to older values, and then was reinterpreted by a generation of romantic writers. The age culminated in the great revolutions in America and France and the modern world had been born. *Professors Faber (Physics), Cowler (English), and Zilversmit (History).* (Not offered in 1983-84.)

524 WAYS OF KNOWING F

We know many different things but we also know in many different ways. The poet and the biologist know trees in distinctive manners. What is the basis for scientific knowledge? How can we "know" the past? What kinds of knowledge are the province of literature and the arts? The seminar will explore several of the different ways in which we know, concentrating on the scientific, historic, and literary realms. *Professors Hansen (Philosophy), Krantz (Psychology), and Zilversmit (History).*

Electives

Candidates for the M/LS degree are required to take five elective courses. These courses, chosen from the regular Lake Forest curriculum in consultation with a faculty advisor, should represent a number of different disciplines. Electives are selected on the basis of a student's previous academic background and current needs and interest. Only courses at an advanced level will be accepted for graduate credit. Students may, of course, take an introductory level course to prepare themselves for further work in a particular field, but such a course will not count toward the M/LS degree. In some cases, a student may be asked to do some independent reading in order to prepare for an upper level course.

In order for an elective course to earn graduate credit, students are required to do additional work beyond that required of undergraduates. The additional or alternative work is to be defined by the instructor according to guidelines established by the M/LS Committee. It is expected that this work will be a research paper or investigation on an additional topic; in either case emphasis should be on the relationship of the material of the course to other fields. Credit toward the M/LS degree will only be given for elective courses in which a student earns a "B" or higher grade.

Once a student is admitted to candidacy, the M/LS Committee may approve the transfer of up to two graduate courses from an accredited college or university toward meeting the elective requirement. Only those courses in which the student has earned a grade of "B" or higher and which fit into the liberal arts definition of the M/LS program can be considered for acceptance in transfer.

With the approval of the M/LS Committe, students can substitute an additional M/LS seminar or an independent study project for an elective course. Ordinarily, however, a student must take a minimum of three courses from the regular Lake Forest College curriculum in order to meet the requirements of the M/LS degree. That is, the combination of transfer courses, additional M/LS seminars, and independent study projects that are accepted as substitutes for the five elective courses ordinarily cannot total more than two.

Colloquium

In the term before students undertake their master's project they will be asked to enroll in a colloquium with other graduate students preparing to work on their projects. A major purpose of the colloquium is to acquaint students with the kinds of interdisciplinary work that they can regard as models for their own work and to provide guidance in selecting an appropriate topic for the master's project. The first few sessions of the colloquium are devoted to intensive reading and discussions of interdisciplinary studies; thereafter students, with the aid of faculty advisors, will begin developing their own topics. By the end of the colloquium students submit a formal project proposal, including an extended statement of the problem to be examined, an annotated bibliography, and a statement of how the student plans to proceed on the project. Approval of the prospectus by the M/LS Committee is required before the student can register for the master's project.

The Master's Project

The master's project is an independent interdisciplinary report. Its purpose is to demonstrate the student's ability to read widely and intelligently in a number of different disciplines, to integrate this interdisciplinary material and to draw independent conclusions. It is a capstone for the program, demonstrating that graduates have become skilled in independent interdisciplinary thinking, and that they are prepared to continue reading intelligently on their own in a number of fields. In this sense the project will demonstrate that the graduate is ready to continue a program of lifelong learning.

In contrast to a conventional master's thesis, the project must be broad and interdisciplinary. Therefore, the emphasis is not so much on original research in primary sources as on the mastery and integration of disparate materials. Areas which lend themselves to these kinds of projects are interdisciplinary fields such as American Studies, International Affairs, Women's Studies and topics such as art and society, childhood in cross-cultural perspective, science and politics, social deviance, and man and nature. A student may choose to view the aging process in historical and cross-cultural perspective, drawing on readings from psychology, sociology, history and literature. Another student might choose to examine the role of race in American society, using readings from psychology, sociology, history and literature. A third student may choose to examine changing American attitudes toward nature, using art, literature, history and biology.

The student will meet regularly with a member of the faculty who will serve as the project advisor. Ordinarily, it is expected that the project will be completed in one term. If a project is not completed by the end of the term, the M/LS Committee will decide if enough work has been done to merit a grade of "incomplete" (setting a date for the completion of the project no later than the conclusion of the next term) or whether the amount and quality of work

merits a failing grade. If a failing grade is given, the M/LS Committee will decide further whether the student should be allowed to continue in the program.

When the project is completed, the M/LS Committee will appoint an examining committee broadly representative of the disciplines which bear upon the topic. At least two of the members of the examining committee will be members of the M/LS Committee and at least two will be from the faculty at large.

The members of the examining committee will read the project report and conduct an oral examination of the student. The committee may recommend that the student be granted a grade of pass, fail, honors, or that the student do additional work to bring the report to an acceptable level.

Admissions

The Graduate Program in Liberal Studies is primarily designed to serve the needs of mature students who are returning to college after an interval of several years. In order to be admitted to the program, candidates must hold a bachelor's degree from an accredited college or university. Candidates should submit transcript records of all college work with their application for admission. The application form asks applicants to write an essay stating briefly how they believe the graduate program in liberal studies will serve their needs. In addition, all applicants must be interviewed by the Director, Associate Director, or another member of the M/LS Committee. The Committee is responsible for admitting applicants. The decision to admit an applicant is based only on the Committee's assessment of whether the applicant is likely to perform well in the program and benefit from it. An application fee of $15.00 is required.

Initial acceptance into the program is on a conditional basis. Successful completion of one of the interdisciplinary seminars (achieving a grade of "C" or better) is required for formal admission into the program (admission to candidacy). The decision to admit a student to candidacy is made by the entire M/LS Committee.

Tuition and Fees

Tuition for all courses in the M/LS program, including the master's project and independent studies, is the same as the undergraduate tuition for regular full-time undergraduates. The 1983-84 tuition rate is $947.50 per course (all of which carry four semester hours credit). No fees are required (except the $15.00 application fee). Summer school tuition for the graduate program is set at the same rate as undergraduate summer school tuition.

A non-refundable deposit of $100.00 is required at the time of registration in order to reserve a place in any class. This deposit is applied toward tuition for that course. The College does not offer financial assistance to participants in the Graduate Program in Liberal Studies.

Departments and Departmental Majors

ART

Professor Michael B. Croydon: 20th Century Art History. Painting. Drawing. Sculpture. Photography.
Professor Alex F. Mitchell (Chairperson): Renaissance through Modern Art History. American Art. Painting. Drawing.
Professor Franz Schulze: 20th Century Art History. Architectural History. American Art and Art Criticism.
Instructor Amelia Jane Carr: Medieval Art. Renaissance.
‡Lecturer Arthur Lazar: Creative Photography.
‡Lecturer Ramona Mitchell: Painting. Drawing. Monoprint.
‡Lecturer Nicholas Prokos: Ceramics

From prehistoric times until the present day men and women throughout the world have created pictorial images, have carved and modeled, and have endeavoured to make their habitations pleasing to the eye as well as comfortable. Such activities have been a mark and a measure of civilization. For this reason it is important within the context of a liberal education to gain, not only some knowledge of what artists have done in the past and are doing now, but, further than that, by the actual making of art to enrich one's understanding of the creative process of the artist. The Department of Art addresses itself to both these concerns.

‡Part-time Teaching, 1983-84

Art History is a humanistic discipline. The course work in Art History concerns itself with those things theoretical, historical, critical, and aesthetic, which should add to any individual's capacity to comprehend and appreciate the visual arts. While the courses are designed to introduce students to the scholarly procedures of the art historian — procedures which form an essential groundwork for any further advanced study in the field — they are also aimed at those students who wish to enlarge their knowledge and understanding of art, but are innocent of professional ambitions in the discipline.

The courses in Studio Art offered in the department have a similar dual purpose. They are designed to provide basic and also more advanced experiences of the actual procedures involved in making works of art of various sorts. The courses should be useful to those who plan to go on to become professional artists and also to those who merely seek to enlarge their experience and human potential.

Students may major in the department in one of two ways. They may major in Art History by taking courses in that area with one required course in Studio Art, or they may choose to take a combination of courses in Studio Art and Art History with the emphasis on the former area. The two possible tracks are designated Art History and Art respectively.

Art 110 (Introduction to the Visual Arts) is a prerequisite for all other courses in Art History, and thus is the first course which students choosing the Art History track must take. The more advanced courses in Art History deal with the main periods and styles of Western Art, with American Art, and with a variety of more specialized concerns of the art historian. The history of Western Art from ancient times until the present day is covered in a sequence of courses Art: 210, 211, 212, 213, 310, 312, 313, and 314. In addition to Art 110, majors in Art History must take at least five courses from this sequence. In order to achieve the minimum of eight courses required to major students may choose either further courses from this sequence or any other upper level courses in Art History. Further to the minimum of eight required courses in Art History, majors must take Art 130 (Studio Art: Elements of Design). This course is required for students on this track, but does not count toward the major.

Art 130 (Studio Art: Elements of Design) is a prerequisite for most other courses in Studio Art and is thus the recommended first course for students choosing the Art track within the major. As has already been stated, students in this track follow a course of studies which combines Studio Art and Art History. All majors in this track must take the following courses: Art 110, 130, 131, and 314. In addition they must take three additional Studio courses and one further Art History course from the following sequence: Art 210, 211, 212, 213, 310, 311, 312 and 313. In the senior year each Art major will undertake a senior project which will carry two credits.

A complete study program for students majoring in Art, rather than Art History, will be worked out in consultation with a faculty advisor from the department. This should normally be done no later than the end of the sophomore year.

In conclusion it must be stressed and repeated that Art 110 is a prerequisite for all other Art History courses. Art 130 is a prerequisite for other courses in Studio Art except for Art 131 (Drawing), Art 132 (Creative Photography), Art 133 (Film Making), and Art 240 (The Physics and the Art of Photography).

110 INTRODUCTION TO THE VISUAL ARTS
FS — Mr. Mitchell, Mr. Croydon, Miss Carr, Mr. Schulze
An analytical and historical survey of the visual arts from antiquity to the present. A prerequisite for all other courses in art history and required of all majors.

111 HISTORY OF ARCHITECTURE
F — Mr. Schulze
Evolution of architectural style and thought from antiquity to the present.

130 STUDIO ART: ELEMENTS OF DESIGN
FS — Mrs. Mitchell
Introduction to basic design problems in various two and three dimensional techniques and media. A prerequisite for most other courses in studio art.

131 STUDIO ART: DRAWING FS — Mr. Croydon
Principles and practice of drawing, with emphasis on drawing from the model.

132 STUDIO ART: CREATIVE PHOTOGRAPHY S Mr. Lazar
An introductory course in the techniques and aesthetics of photography, dealing with the fundamentals of camera and darkroom procedures and the study of the expressive possibilities of the medium.

133 STUDIO ART: FILM MAKING
A study of film with an emphasis on production and the various techniques of film making. (Not offered in 1983-84.)

202 GREECE IN THE BRONZE AGE S (B*: March)
(Cross-listed as Ancient Mediterranean Civilizations 202. See page 50 for description.)

203 GREECE IN THE CLASSICAL—ROMAN AGES S (B*: April)
(Cross-listed as Ancient Mediterranean Civilizations 203. See page 50 for description.)

204 GREECE IN THE BYZANTINE—MEDIEVAL AGES S (B* May)
(Cross-listed as Ancient Mediterranean Civilizations 204. See page 50 for description.)

210 ANCIENT ART F Miss Carr
Painting, sculpture, and architecture of ancient civilizations of Egypt, Mesopotamia, Greece, and Rome.

211 MEDIEVAL ART S Miss Carr
Art of the Early Christian, Byzantine, and Medieval periods.

212 ITALIAN ART OF THE EARLY RENAISSANCE F Miss Carr
Painting and sculpture in Italy from the late 13th through the 15th century.

213 NORTHERN EUROPEAN ART OF THE RENAISSANCE PERIOD S Miss Carr
Painting, sculpture, and the graphic arts of the Netherlands, Germany, and France from the 14th through the 16th century.

221 HISTORY OF MEDIA AND MATERIALS S Mr. Croydon
The evolution and use of different media, materials, and techniques by the sculptor, painter, and draughtsman in the course of history.

*Offered only in Greece.

225 SPANISH ART
A survey of painting, sculpture and architecture in Spain. This course will include a variety of field trips to important art centers. It will be taught in the Spanish language and only in Spain as part of the Spring Semester in that country. (Not offered in 1983-84.)

230 STUDIO ART: PAINTING F Mr. Croydon
Advanced creative projects using various painting media.

231 STUDIO ART: SCULPTURE S Mr. Croydon
An introduction to fired clay sculpture and the principles and practice of oxidation firing.

232 STUDIO ART: GRAPHIC ARTS S Mrs. Mitchell
Advanced creative projects in various printmaking media. 1983-84: Monoprint.

233 STUDIO ART: CERAMICS F Mr. Prokos
A basic course in the making of pottery, using hand building methods and the potter's wheel.

234 STUDIO ART: DRAWING FS Mr. Croydon
Further study from the model.

240 STUDIO ART: THE PHYSICS AND THE ART OF PHOTOGRAPHY
Creative use of the photographic medium along with study of appropriate scientific principles and aesthetic values. Works of influential photographers and important photographic themes will be analyzed. Not open to students who have taken Art 132 or Physics 200. (Also listed as Physics 200). (Not offered in 1983-84.)

250 SPECIAL STUDIES: WOMEN IN ART
An investigation of the role of women in the visual arts. (Not offered in 1983-84.)

251 SPECIAL STUDIES: "THE CHICAGO SCENE"
An investigation into the artistic resources of Chicago. (Not offered in 1983-84.)

305 MUSIC/ART: THE EAR AND THE EYE: COMPARATIVE STUDIES IN MUSIC AND THE VISUAL ARTS S Mr. Kirby, Mr. Schulze
Basic elements and principles in artistic expression; the social and cultural roles of the arts; classic and romantic traditions; art and music in various historical periods. Prerequisites or co-requisites: one course each in Art and Music or permission of instructors. (Also listed as Music 305.)

310 ITALIAN ART OF THE 16TH CENTURY S Mr. Mitchell
Painting and sculpture of the High Renaissance and Mannerist artists in Rome, Florence, and Venice.

311 17TH CENTURY ART F Mr. Mitchell
Painting and sculpture in Europe in the 17th century.

312 18TH AND EARLY 19TH CENTURY ART F Mr. Mitchell
Painting and sculpture in Europe in the 18th and the early 19th centuries, from Watteau to Goya.

313 19TH CENTURY ART S Mr. Mitchell
Painting and sculpture in Europe during the 19th century, from the Romantic Movement to the Post Impressionists.

314 20TH CENTURY ART F Mr. Schulze
Painting and sculpture in Europe and the United States from Post-Impressionism to the present.

320 AMERICAN ART F Mr. Schulze
The visual arts in North America, covering painting, sculpture, architecture, and the applied domestic arts, from art of the colonial period to the present.

330 STUDIO ART: PAINTING F Mr. Croydon
Advanced projects in painting.

331 STUDIO ART: SCULPTURE S Mr. Croydon
Advanced projects in fired clay sculpture.

332 STUDIO ART: GRAPHIC ARTS S Mrs. Mitchell
Advanced projects in Monoprint.

350 SPECIAL STUDIES: GREAT ARTISTS S Miss Carr
Intensive study of the work and lives of individual great artists. In 1983-84: The Gothic Cathedral.

430 SENIOR PROJECT IN STUDIO ART
This is required of all students majoring in Studio Art during the senior year. This project is designed and carried out under faculty supervision, and consists of advanced and intensive work in one of the visual arts. A Senior Project carries a maximum of two course credits, and it may be carried out over one or two semesters.

480 SEMINAR F Mr. Schulze
Art historical topics dealt with at a more advanced level. In 1983-84: Issues in Modern Architecture. Open only to juniors and seniors. Prerequisite: Art 110, 111, and at least two upper level Art History courses.

BIOLOGY

Professor Frederic Giere (Chairperson): Vertebrate Physiology. Molecular Anatomy.
†††Professor Charles Louch: Ecology. Vertebrate Biology. Ethology.
Associate Professor Kenneth Weik: Botany. Phycology. Electron Microscopy.
Assistant Professor Barbara C. Hansen: Immunology. Biochemistry.
Instructor Juliana Feder: Evolution. Genetics.

The Biology Department offers a curriculum designed to meet the needs of students planning to become professional biologists and also of those who are simply interested in increasing their understanding of the living world. A diversity of courses accommodates students with a variety of interests, including molecular biology, botany, physiology, genetics and ecology. Tutorials and independent studies are easily arranged for students who are interested in studying subject matter that is not covered in the regular curriculum. Although there are no special pre-medical, pre-dental, or pre-veterinary medical programs, the department offers a combination of courses to help students prepare themselves to enter professional schools in these areas. In addition, there are pre-nursing and pre-medical-technician programs which the College operates in cooperation with Rush University (College of Nursing and College of Allied Health Sciences).

The department's laboratories are well equipped for teaching and research, and the courses are designed to help students become familiar with a variety of research equipment. The department also manages a natural area which is available for field work.

Human Biology (Biology 101), Environmental Biology (Biology 181) and Introduction to Evolution (Biology 188) are courses designed for non-majors and are open to all students. These courses do not apply toward the major. All other courses apply toward the major. Biology 244 (Animal Behavior), Biology 248 (Diversity and Design), and Biology 261 (The American Forest) are open to freshmen and non-majors with the consent of the instructor. All other courses have General Biology as prerequisite as noted in course descriptions.

†††Sabbatical Leave, Spring, 1984

The minimum requirements for the major are: Chemistry 110 and 111 plus eight courses in Biology. Biology 151, 152 and 153 must be included in the eight courses. Students planning to major in Biology should complete Chemistry 111 by the end of the sophomore year.

Psychology 370 (Physiological Psychology) may be applied toward a biology major with the prior approval of the Department.

Qualified students are encouraged to engage in a research project in their junior and/or senior years, to be supervised by a member of the biology faculty. Such projects may take the form of Independent Study Research or a Senior Thesis.

Students planning on attending graduate or professional schools are encouraged to prepare themselves in the cognate areas by taking additional courses in chemistry, mathematics and physics. Courses in computer science, statistics, and a foreign language are also desirable.

The department elects students to Beta Beta Beta and to the Society of the Sigma Xi, national honorary societies that are active on the campus.

101 HUMAN BIOLOGY
This course will examine basic ideas about patterns of genetic inheritance, the evolution of humans, the biology of sex and reproduction, the biological basis of human behavior, hormonal and neural coordinating systems, and human interactions with the environment. (For non-biology majors.) Three lectures per week. (Not offered in 1983-84.)

151 GENERAL BIOLOGY — CELLS FS Ms. Hansen
This course will examine cells as the fundamental units of life. The topics to be covered will include: The structure and function of the cell and its parts, energy relationships at the cellular level, the nature and organization of the genetic material, and developmental biology. Three lectures and one three-hour laboratory per week.

152 GENERAL BIOLOGY — PLANTS AND ANIMALS FS Mr. Giere, Mr. Weik
A discussion of the organization and function of multicellular oganisms; the ways in which plants and animals carry out the processes necessary for life. Among the topics to be discussed will be: Water relations, nutrient procurement, coordination systems including plant and animal hormones, movement and orientation, and reproductive patterns. Three lectures and one three-hour laboratory per week.

153 GENERAL BIOLOGY — POPULATIONS FS Ms. Feder, Mr. Louch
A discussion of the processes of life at the population and community level. Topics to be covered include: Genetics, environmental biology, and the origin and evolution of life. Three lectures and one three-hour laboratory per week.

181 ENVIRONMENTAL BIOLOGY
This course, designed for non-biology majors, will look at the relationships between plants, animals and the environment. Some of the general topics to be covered will be: weather and climate, some aspects of geology as they apply to living organisms, the oceans as a habitat for plants and animals, some aspects of animal behavior, population growth phenomena, biogeochemical cycles, and energy flow and ecosystem structure. Three lectures and one lab each week. (For non-biology majors). (Not offered in 1983-84.)

188 INTRODUCTION TO EVOLUTION F Ms. Feder
An introduction to evolutionary theory, with emphasis on the works of Darwin, the historical and scientific context surrounding his work, the modern evidence for evolution, and human evolution. Three lectures per week. (For non-biology majors.)

220 MICROBIOLOGY S Ms. Hansen
An introduction to the morphology, physiology, classification, and culture of microorganisms. Three lectures and one lab per week. Prerequisite: Biology 151.

223 GENERAL GENETICS F Ms. Feder
The fundamentals of genetic analysis and basic hereditary processes are treated through discussions of the transmission of traits between generations and the regulation of gene expression. Three lectures and one lab per week. Prerequisite: Biology 151 and 153.

241 VERTEBRATE BIOLOGY I F Mr. Giere
The comparative anatomy and physiology of the musculo-skeletal (locomotion), digestive, respiratory, energy metabolism and temper-

ture regulation systems of vertebrate organisms, in addition to a consideration of their classification and early development. Three lectures and one lab per week. Prerequisite: Biology 151, 152.

242 VERTEBRATE BIOLOGY II S Mr. Giere
The comparative anatomy and physiology of the nervous and endocrine coordinating systems, urogenital, and cardiovascular systems of vertebrate organisms. Three lectures and one lab per week. Prerequisite: Biology 241.

244 ANIMAL BEHAVIOR F Mr. Louch
A study of current ideas about the survival value of animal behavior, how patterns of behavior may have evolved, and how it may develop and mature in individual animals. Three lectures and one three-hour laboratory per week. Prerequisite: Biology 153.

248 DIVERSITY AND DESIGN S Ms. Feder
What constitutes success among living organisms? The diversity of animal life seen in today's world suggests that there are a large number of ways of achieving success. This course will survey the variety seen in the animal kingdom, and deal with the ways in which various animal groups have solved their common problems; reproduction, locomotion, support, and protection. Current ideas regarding the generation and maintenance of present-day diversity will also be discussed. Prerequisite: One course in General Biology or the consent of the instructor.

261 THE AMERICAN FOREST F Mr. Weik
Survey of major forest associations of the United States. The ecology, economic use, and analytical techniques employed in studying forest types. Frequent lab trips to forest preserves of Northeastern Illinois, and the department's field study area. Three lectures and one lab per week. Prerequisite: One course in General Biology or consent of the instructor.

282 MARINE BIOLOGY
The biology and ecology of marine plants and animals. The first part of this course will be taught on the Lake Forest College campus and the last two weeks will be spent at a subtropical marine biology station. Prerequisite: One course in General Biology or the consent of the instructor. (Not offered in 1983-84.)

301 BIOCHEMISTRY F Ms. Hansen
Offered jointly with the Chemistry Department. Introduction to biochemistry at the cellular level. Emphasizing protein structure, enzyme action, carbohydrate metabolism and a brief survey of biological molecules. Three lectures and one lab per week. Prerequisite: Biology 151, Chemistry 220. (Identical to Chemistry 300.)

326 CELL ULTRASTRUCTURE S Mr. Weik
An introduction to the ultrastructure of typical plant and animal cells and tissues employing the techniques of transmission and scanning electron microscopy. Three lectures and one lab per week. Prerequisite: Biology 151.

342 IMMUNOLOGY S Ms. Hansen
The acquired resistance of vertebrates to microbial infection and disease is a fundamental property of their immune systems. This course will present the cellular and molecular basis for the human immune response, including discussion of related topics such as cancer, tissue transplantation, allergies, and immune deficiencies. Three lectures and one lab per week. Prerequisite: Biology 151 and Chemistry 220.

345 THE INSECT WORLD
From time immemorial insects have been important to humans. They have eaten our crops, transmitted our diseases, provided us with food and clothing, and fascinated us with the complexity of their organization and behavior. This course will be a study of insects with a view to attaining an understanding of, and appreciation for, this most numerous and diversified class of animals. Three lectures and one three-hour laboratory per week. Prerequisite: Biology 152. (Not offered in 1983-84.)

361 PLANT SYSTEMATICS F Mr. Weik
A survey of the morphology, anatomy, reproduction, and classification of representative vascular plants with emphasis on flowering species. The laboratory will stress field and herbarium techniques and recent methods in plant systematics utilizing species in the local flora. Three lectures and one lab per week. Prerequisite: Biology 152, 153.

362 PLANT PHYSIOLOGY
Investigations into physiological, biochemical and developmental processes of higher green plants: Water relations, nutrition, photosynthesis, metabolism, growth regulation and photomorphogenesis. Three lectures and one lab per week. Prerequisite: Biology 151. (Not offered in 1983-84.)

381 ECOLOGY
A study of ecological systems. This is a project-oriented course in which students who have had some previous background in ecology may examine particular aspects of environmental biology by means of laboratory, field, and library research. Three lectures and one lab per week. Prerequisite: Biology 153. (Not offered in 1983-84.)

389 EVOLUTION
The mechanisms of evolutionary change in populations of living organisms will be examined by integrating diverse evidence from population biology, as well as aspects of paleontology, development and molecular biology. Current debates on evolutionary issues will also be analyzed in the framework of material discussed in this course. Three lectures and one lab per week. Prerequisite: Biology 151 and 153. (Not offered in 1983-84.)

421 ADVANCED MICROBIOLOGY
Pathogens, viruses, and immunology. An examination of pathogenicity and organismal response, including a discussion of pathogenic micro-organisms, how viruses function, and how higher organisms respond to pathogens through the immune response. Three lectures and one lab per week. Prerequisite: Biology 220 or consent of the instructor. (Not offered in 1983-84.)

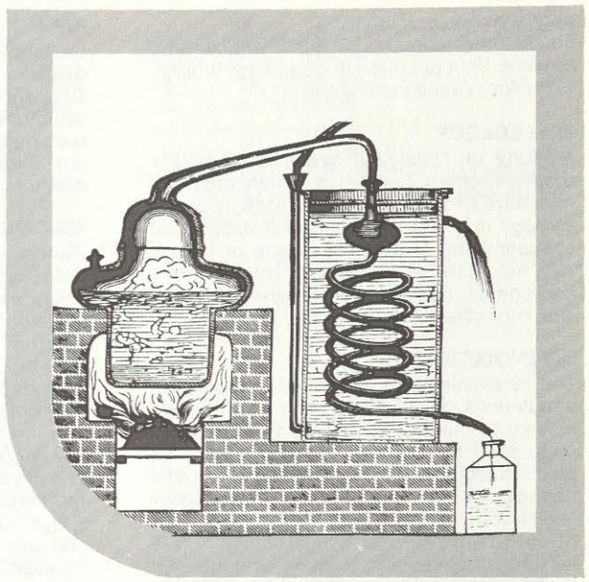
424 MOLECULAR GENETICS
Genetics of bacteria, viruses, and plasmids. A discussion of the structure and replication of DNA, the genetic code, mutation, genetic fine structure, regulation of gene expression and recombinant DNA. Three lectures and one lab per week. Prerequisite: Biology 223. (Not offered in 1983-84.)

428 CELL PHYSIOLOGY S Mr. Giere
Fundamental processes of plant and animal cells, emphasizing detailed physiochemical analyses of photosynthesis and respiration, protein and fat metabolism, ion transport, and the role of the nucleus and cytoplasm in cyto-differentiation. Three lectures and one lab per week. Prerequisite: Biology 301 or consent of the instructor.

440 ADVANCED PHYSIOLOGY
The physiology of a single organ system or of the response of several organ systems to a single insult to the organism. Three lectures and one laboratory per week. Prerequisite: Biology 242. (Not offered in 1983-84.)

480 SEMINAR S Staff
Prerequisite: By invitation.

INDEPENDENT STUDY
TUTORIALS (directed study programs on a topic of the student's choice) or RESEARCH PROJECTS are available with the consent of the instructor, as are INTERNSHIPS (a supervised work/study project in a nonacademic environment), with the consent of the instructor and the cooperative agency.



CHEMISTRY

Professor John W. Coutts (Chairperson): Physical Chemistry. Quantum Chemistry.
Professor William B. Martin: Organic Chemistry. Biochemistry. Enzyme Inhibition.
Professor Martin L. Thompson: Inorganic Chemistry. Main Group Synthesis.
Assistant Professor K. Rick Lung: Analytical Chemistry. Electrochemistry.
Instructor Laura K. Klingbeil: Organic Chemistry. Synthesis.

The Chemistry Department at Lake Forest College offers a curriculum designed to meet several goals. One of these is to provide some depth and breadth in understanding the important modern principles and theories in all areas of modern chemistry; this should equip a student with the experiences necessary to correlate, integrate, and explore both familiar and unfamiliar areas of science and of chemistry in particular. A second goal is to provide our students with an exposure to scientific thought and method and to some practical applications of chemistry in modern society.

To achieve these goals, courses are provided which deal specifically with inorganic, organic, physical, analytical, and biological chemistry. A few courses are also available especially for the non-scientist. Our curriculum provides an appropriate experience for students with a variety of educational and vocational objectives: students who take courses in our department prepare for careers in chemistry with or without subsequent graduate study; in other sciences, such as biology or physics; in medicine, dentistry, nursing, veterinary medicine, and health sciences in general; in less directly related areas, such as business, sales, law, or public service. Some students choose chemistry to be equipped to reason scientifically or simply to gain a broad base in their education. The Chemistry Department is well prepared to meet its objectives in terms of staffing, equipment, and library holdings. The faculty is diverse in areas of expertise, and our instrumentation is modern and unusually complete. Instrumentation includes a nuclear magnetic resonance spectrometer; an atomic absorption spectrometer; gas and liquid chromatographs; several infrared, ultraviolet, and visible spectrophotometers; and a variety of apparatus, such as high efficiency distillation columns, vacuum lines, and hydrogenation equipment. All of this equipment is accessible to students at suitable levels in course work and research. Thus, all students are given opportunities by means of courses, independent studies, individual student-faculty contacts, and broad use of instrumentation to develop appropriate proficiency in chemistry.

The department is on the approved list of the American Chemical Society and has an active chapter of the Student Affiliates of the American Chemical Society, which sponsors a variety of activities including a speaker program throughout the year.

A minimum major in chemistry consists of eight course credits, which must include the following seven: 110, 111, (1½ credits each), 220, 221, 320, 321; the eighth chemistry course credit must be at or above the 300 level. Courses intended specifically for the non-science major are not applicable toward the major (i.e., 100, 102, 104, 106). In addition to these requirements, a chemistry major is required to take Mathematics 110 and 111, and Physics 120 and 121. Students planning to do graduate study in chemistry should take more than the minimum in chemistry, and additional courses in molecular biology, physics, and mathematics may be appropriate, depending on the area of intended graduate specialization. Mastery of computer programming is highly desirable, and reading knowledge of German may be helpful to upper level studies. During both the summer and academic year, our chemistry majors frequently engage in junior and senior level research projects.

Students wishing to graduate with American Chemical Society Certification must meet the following requirements: Credit in Chemistry 110-111, 220-221, 320-321, 410, 420; three additional advanced courses, chosen from Chemistry 330, 430, Research, or approved advanced courses in mathematics, physics, computer studies, statistics, or molecular biology; (the advanced courses must include at least 40 hours of laboratory, or 75 hours in the case of Research.)

***100 FROM ATOMS TO GALAXIES**
A survey of the nature of the universe, ranging from the smallest of objects to the largest. Includes basic principles of physics, astronomy, and chemistry, with interrelationships explored. No laboratory. (Not offered in 1983-84.)

***102 ENVIRONMENTAL CHEMISTRY**
Exploration of those aspects of chemistry dealing with interactions between living systems and the rest of the earth, focusing on how chemistry affects natural processes; relevant background from other sciences included. No laboratory. (Not offered in 1983-84.)

***104 CHEMISTRY AND LIFE S**
Ms. Klingbeil
Provides sufficient background in chemical principles to allow investigation of topical issues centered particularly around organic and biochemical structures. Chosen topics may include nutrition, food additives, energy problems and alternatives, pollution, and polymers. No laboratory.

106 ENERGY AND YOU: AN ECOLOGICAL APPROACH S (A)* Mr. Thompson
Focuses on fundamental concepts related to energy including supplies, generation, interconversion, ecological aspects, and future prospects. Energy is examined primarily from the view of basic scientific principles, but also from historical, political, economic, and sociological perspectives. No laboratory.

110 GENERAL CHEMISTRY I (1½ credits)
F Mr. Thompson
Stoichiometry; atomic and molecular structure; chemical bonding; properties and theories of gases, liquids, solutions, solids; introductory kinetics and thermodynamics. Lab involves introductory quantitative techniques and analysis. Five class meetings, one lab per week.

111 GENERAL CHEMISTRY II (1½ credits)
S Mr. Lung
Fundamental equilibrium considerations of gases and ionic solutions; applications of equilibria to qualitative analysis; coordination compounds, electrochemical and spectrochemical methods of analysis and basic methods of separation. Laboratory includes qualitative and quantitative analysis and introductory instrumental methods. Prerequisite: Chemistry 110. Five class meetings, one lab per week.

220 ORGANIC CHEMISTRY I F
Mr. Martin, Ms. Klingbeil
Introduction to functional groups; nomenclature; resonance; inductive and steric effects; aromaticity; stereochemistry; nature of organic reactions; fundamental experimental methods, infrared spectroscopy, and gas chromatography. Prerequisite: Chemistry 111 or consent of instructor. Three class meetings, one lab per week.

*Note: Chemistry 100, 102, 104 and 106 are independent courses designed for students with no previous science background.
**7½ week course

221 ORGANIC CHEMISTRY II S
Mr. Martin, Ms. Klingbeil
Addition, substitution, and elimination reactions; molecular rearrangements; radical reactions; oxidations and reductions; carbohydrates, proteins, and other polymers; organic synthesis; infrared and nuclear magnetic resonance spectroscopy. Prerequisite: Chemistry 220 or consent of instructor. Three class meetings, one lab per week.

300 BIOCHEMISTRY F Mr. Martin, Ms. Hansen
Offered jointly with the Biology Department. Introduction to biochemistry at the cellular level. Emphasizing protein structure, enzyme action, carbohydrate metabolism, and a brief survey of biological molecules. Prerequisite: Chemistry 200, Biology 201, or permission of instructors. Three class meetings and one laboratory per week. (Identical to Biology 301.)

310 INTERMEDIATE ORGANIC CHEMISTRY S Mr. Martin, Ms. Klingbeil
Variable content, with topics selected from the following: proteins and other macro-molecules, enzymic reaction mechanisms; photochemistry; radical reactions; organic reaction mechanisms. Project-type experimental work, including spectroscopic methods. Prerequisite: Chemistry 221. Three class meetings, one laboratory per week. (In alternate years. Offered in 1983-84.)

320 PHYSICAL CHEMISTRY I F Mr. Coutts
Derivation of thermodynamic state variables and their application to the prediction of direction and extent of chemical reactions; homogeneous and heterogeneous equilibria; phase diagrams; introductory statistical thermodynamics. Prerequisite: Chemistry 221 and Mathematics 111, Physics 121. Three class meetings, one lab per week.

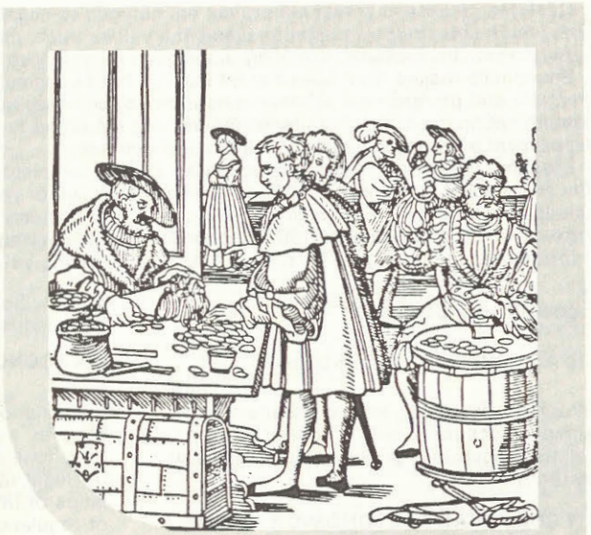
321 PHYSICAL CHEMISTRY II S
Mr. Coutts
Kinetic molecular theory; chemical kinetics; solution phenomena; crystal structures, electrode processes. Prerequisite: Chemistry 320 or consent of instructor. Three class meetings, one lab per week.

330 QUANTUM CHEMISTRY AND MOLECULAR STRUCTURE S
Mr. Coutts
Introductory quantum mechanics, emphasizing nature of chemical bonding; determination of molecular structure through spectroscopic and related techniques; introductory group theory, as applied to chemical topics. Prerequisite: Chemistry 320 or consent of instructor. Three class meetings per week.

410 INSTRUMENTAL METHODS F
Mr. Lung
Theory and operational techniques of instrumental analysis in analytical chemistry. Emphasis will be placed on spectroscopy, separations, and electroanalytical chemistry. Prerequisite (or co-requisite with permission of instructor): Chemistry 320. Three class meetings, one laboratory per week.

420 INORGANIC CHEMISTRY S
Mr. Thompson
Concepts in inorganic chemistry, with emphasis on structure, bonding, and reactivity; molecular orbital theory; electron deficient molecules, coordination compounds, organometallic chemistry; descriptive chemistry used to demonstrate applications of principles and periodic relationships. Laboratory work involves synthesis, analysis, and reactions using specialized techniques. Prerequisite or co-requisite: Chemistry 321. Three class meetings, one laboratory per week.

430 ADVANCED ORGANIC CHEMISTRY
Theoretical treatment of familiar topics of organic chemistry; quantitative correlations of reaction rates and equilibria, focusing on effects of substrate structures and media changes on reactivity. Prerequisite: Chemistry 221 and 321. Three class meetings per week. (In alternate years. Not offered in 1983-84.)



ECONOMICS AND BUSINESS

‡Professor Rosemary D. Hale: Regional Economics. Industrial Organization. Economics of Regulation.
Professor William Moskoff (Chairperson): Principles. Price Theory. History of Economic Thought. Soviet Economics.
Associate Professor Robert Baade: International Trade and Finance. Macro-Economics Theory. Political Economy. Comparative Systems.
Assistant Professor James H. Chessen: Intermediate Macro Theory. Forecasting. Statistics.
Assistant Professor Les R. Dlabay: Accounting. Marketing. Capital Budgeting.
Assistant Professor Richard F. Dye: Principles. Intermediate Macro. Public Finance.
Assistant Professor Charles L. Gahala: Accounting. Investment and Security Analysis.
Assistant Professor Cheryl Ross: Accounting. Management.
Instructor Evan Sue Hoffman Schouten: Intermediate Micro Theory. Labor. Finance.
‡Lecturer Christopher R. Hardy: Accounting.

The Department of Economics and Business has two majors, the economic one and the business one.

Economics Major

The study of economics is concerned with two basic questions faced in any human society: (1) how available resources are to be allocated among productive uses to yield the greatest total product, and (2) how the fruits of the productive processes are to be distributed among members of society. Since no universal form of socio-economic organization exists, economics examines and compares the different ways in which human societies have sought answers to these questions.

The study of economics at Lake Forest College can begin at either the freshman or sophomore year. The curriculum of the first year includes an introductory course designed for potential majors and those desirous of a single survey course. In addition, at this level the course offerings include a number of problem or issue-oriented courses.

‡Part-time Teaching, 1983-84.

Qualified junior and senior majors are encouraged to engage in independent study projects, both within economics and across disciplinary lines. Also, internships in the Summer and Spring terms are available, involving off-campus experiences related to economics.

Economics majors from Lake Forest College have been admitted to some of the top graduate and professional schools in economics, business administration and law. Majors contemplating graduate or professional training are urged to consult with their economics department advisors concerning selection of courses.

Students planning to major in economics should complete the two intermediate sequences (Economics 210, 310 and 220, 320) by the end of the junior year. The major in economics includes as a minimum, Economics 110, 210, and 220, plus any five other economics courses, three of which must be above 300. **Economics 110 is a prerequisite for all economics courses.**

Internships do not count for distribution requirements, but do count for the major.

Economics Courses

110 PRINCIPLES OF ECONOMICS FS
Staff

Structure, function, and problems of the American economy, with emphasis on application of economic principles to analysis of current problems.

111 COMPARATIVE ECONOMIC SYSTEMS S(A) Mr. Baade

Examination and analysis of the role of nonmarket direction of resouces in several countries: The Soviet Union, Eastern Europe, Scandinavia, France, and Great Britain.

112 RADICAL ECONOMICS

Critique of orthodox economics and the economic dimension of American society. Topics covered may include racism, imperialism, health, defense spending, zero economic growth, income distribution, pollution, and the economics of women. (Not offered in 1983-84.)

113 MONEY AND CAPITAL MARKETS

Analysis of the economic functions and operations of money and capital markets in the United States, with emphasis on the legal and economic structure of bank and non-bank financial institutions, and the impact of regulation and public policy on funds flow and interest rates. (Not offered in 1983-84.)

120 ECONOMICS OF HEALTH CARE

Analysis of the economic dimensions of health care and in-class examination of health care literature. (Not offered in 1983-84.)

210 PRICE THEORY FS
Mrs. Schouten, Mr. Moskoff

Application of both theoretical and empirical analysis to consumer demand, to the firm both as producer of goods and as buyer of inputs, in both monopoly and competive markets. Industry case studies are included.

214 ECONOMICS OF REGULATION S(B)
Mrs. Hale

Examination of an important class of U.S. industries supplying electricity, natural gas, telephone and telegraph services. Review of the legal, regulatory and economic characteristics of utilities; introduction to the theory of regulation; analysis of utility and regulatory commission behavior; a critique of economic regulation.

220 MACRO-ECONOMICS FS
Mr. Chessen, Mr. Dye

Examination of the major components of national income. Application of macroeconomic models to current problems of employment, the price level, and economic growth.

221 BUSINESS CYCLES AND FORECASTING

The nature of business cycles and the uses of business indicators, consumer and business expenditure surveys in forecasting economic activity. Students will make their own forecasts by building a GNP expenditure model. Prior knowledge of the computer or statistics is useful but not required. Prerequisite: Economics 220. (Not offered in 1983-84.)

230 ECONOMIC STATISTICS F
Mr. Chessen

Distribution analysis, probability theory, sampling theory, statistical inference, regression and correlation analysis, with emphasis on application of statistical techniques to economic problems and policies. (This course is comparable to Mathematics 150.)

240 REGIONAL ECONOMICS F Mrs. Hale

Application of economic analysis to current problems in urban and suburban America, such as housing, transportation, growth and finance.

250 HISTORY OF ECONOMIC THOUGHT F
Mr. Moskoff

An introductory survey of the historical evolution of economic concepts, with emphasis on the development of economic theory. The various schools of thought will be integrated into the broader social and political context of each historical period.

265 SOVIET ECONOMY F Mr. Moskoff

A description and analysis of methods of organizing and directing the Soviet economy, with particular emphasis on the role of central planning in industry and agriculture. Particular consideration is given to problems related to economic growth.

310 INDUSTRIAL ORGANIZATION F
Mrs. Hale

Analysis of market structure and performance of monopolistic, competitive, oligopoly and legal institutions. Prerequisite: Economics 210.

320 MONETARY AND FISCAL POLICY S
Mr. Baade

Analysis and comparison of Keynesian, Neo-Keynesian, Neo-classical, and monetarist approaches to macroeconomic stabilization policy. Prerequisite: Economics 220.

330 INTRODUCTION TO ECONOMETRICS S Mr. Chessen

Use of statistical methods, especially multiple regression, to test hypotheses based on nomic theory. Some use of computer programs. Prerequisite: Economics 230.

340 MANAGERIAL ECONOMICS

The economic modeling of particular firms for the purpose of solving specific management problems, with emphasis on the reasoning process and model construction. Prerequisite: Economics 210, Mathematics 110. (Not offered in 1983-84.)

345 CORPORATION FINANCE S
Mrs. Schouten

Identification of the institutional setting in which the firm operates, and exploration of how the investment, financing and dividend decisions affect the objectives of the firm. Prerequisites: Business 130 and Economics 230.

410 SEMINAR S Mr. Chessen

The 1984 topic is advanced macro theory. The seminar is open to senior majors by invitation.

420 LABOR IN THE AMERICAN ECONOMY F Mrs. Schouten

Economics of the labor market. The labor problems of American industrial society, in the context of labor unions and collective bargaining. Prerequisite: Economics 210, or consent of instructor.

430 INTERNATIONAL ECONOMICS F
Mr. Baade

Principles, institutions, and policies of international trade and finance. Prerequisite: Economics 210 and 220, or consent of instructor.

440 PUBLIC FINANCE F Mr. Dye

Theory and policy analysis of the effect of government spending and taxation on allocation and on the distribution of income. Current tax policy issues are given special attention. Prerequisite: Economics 210 and 220.

490 INTERNSHIPS IN ECONOMICS S (A*, B*) Mr. Gahala

A work-study program which will provide an opportunity to supplement the academic with work experience in business, social, and government agencies, available Spring and Summer terms. Some internships have specific course prerequisites to be completed before the internship begins. Two course credits.

INDEPENDENT STUDY

Tutorials, research projects, senior theses are available forms of independent study, with the consent of the instructor.

*(A) first 7½ weeks.
(B) second 7½ weeks.

Business Major

The business major is designed to provide the student with a basic understanding of the financial aspects of the business world. An introduction to the various concentrations in the study of business is also provided.

The study of business may begin at either the freshman or sophomore year. The curriculum of the first year could include Marketing, Management, and Introduction to Finance.

Students planning to major in business should have Mathematics 105 or equivalent before

entering any business course. Accounting I and II are required for any advanced Finance course.

The major consists of eleven courses.

I. PERSPECTIVES IN HUMANITIES, SCIENCE & SOCIAL SCIENCE
(select one course in three of four categories)
   A. Philosophy 203 (Ethics of Business & the Professions)
   B. History/Politics: Politics 270 (Business & Society) or History 260 (American Business and Economic History)
   C. Science: Chemistry 106 (Energy and You) or Physics 108 (The Energy Crisis) or other courses in the departments of Biology, Chemistry, or Physics as approved by the Chairperson of the Department of Economics and Business.
   D. Psychology: Psychology 240 (Organizational & Industrial) or Psychology 325 (Consumers and Sellers)

II. MATHEMATICS
Mathematics 105 (Elementary Functions), required or competence, and one of the following:
Computer Studies 111 (Computer Programming I)
Mathematics 150 (Introduction to Probability Theory and Stat. Inference)
Economics 230 (Economic Statistics)

III. BUSINESS AND ECONOMICS REQUIREMENTS

Requirements	
	100 level
2 courses	Accounting I Principles of Economics
	200 level
3 courses, 1 being either Macro or Price Theory	Accounting II Non-profit Accounting Finance Marketing Macroeconomics Price Theory
	300 level
Any one course	Accounting III Investments Management Corporate Finance
	400 level
Any one course	Capital Budgeting Security Analysis Seminar Risk & Uncertainty Internships (do no count for distribution requirements, but do count for the major)

Business Courses

130 ACCOUNTING I FS
Mr. Dlabay, Mr. Gahala
Fundamental principles and procedures of accounting for business enterprises.

231 ACCOUNTING II FS
Mr. Hardy, Ms. C. Ross
Analysis and interpretation of accounting statements and data for management purposes. Prerequisite: Business 130.

232 ACCOUNTING FOR NON-PROFIT AND GOVERNMENTS
Introduction to fund accounting as used in government and not-for-profit entities. Emphasis will be on recording transactions, preparation and use of budgets and evaluation of results. Prerequisite: Accounting I. (Not offered in 1983-84.)

236 MARKETING FS Mr. Dlabay
Integrated product planning, promotion, pricing and distribution process directed toward the satisfaction of customer needs. Study of concepts and practical applications. Prerequisite: Economics 110.

237 INTRODUCTION TO FINANCE F
Ms. Schouten
An examination of financial aspects of industry and on the use and evaluation of financial statements. Prerequisite: Accounting I.

330 ADVANCED ACCOUNTING III S
Ms. C. Ross
Theory of cost accounting and cost control, including job order and process costs, budgeting and direct costing, and the management utilization of cost information. Prerequisite: Accounting I.

340 MANAGEMENT FS Ms. C. Ross
Functions and processes (such as organization, planning and decision-making) which enable business to accomplish their goals. Study of concepts and practical applications. Prerequisite: Accounting I and any two courses at 200 level.

360 INVESTMENTS F Mr. Gahala
Studies the process of selecting among alternative financial assets from the viewpoint of the individual. Looks at such topics as the evaluation of risk and return, security markets and industry developments, futures trading, trading practices, and regulatory aspects. Prerequisite: Accounting I and Introduction to Finance.

450 CAPITAL BUDGETING F Mr. Dlabay
Includes capital asset pricing, discounting cash flow evaluation, introduction to risk analysis, multiperiod analysis under certainty, and evaluation of investment opportunities. Prerequisite: Business 360.

470 SECURITY ANALYSIS S Mr. Gahala
Examines such topics as the evaluation of corporate securities, financial statement analysis, and economic and regulatory environment of the securities markets. Prerequisite: Business 360.

480 RISK AND UNCERTAINTY
This course examines nonspeculative risks in business and studies selected management devices for dealing with risks and the development of criteria for risk management decisions. Case studies may be employed to illustrate avoidance, reduction, transfer, and control of risk. Prerequisite: a course in statistics, Mathematics 150 or Economics 230. (Not offered in 1983-84.)

490 INTERNSHIPS S (A,B)
(Identical to Economics 490.)

495 SEMINAR
This course involves an in-depth study of selected topics in business or finance that were not covered by the regular courses. (Not offered in 1983-84.)

RECOMMENDED:
Computer Studies 317 (Data Structures and Algorithm Analysis)
Economics 330 (Introduction to Econometrics)
Economics 221 (Business Cycles and Forecasting)
Economics 430 (Labor in the American Economy)
Mathematics 110/111 (Calculus I and II)
Politics 120 (American Political Institutions)
History 121 (Modern America)
A Foreign Language Through 240 level

EDUCATION

Professor Forest Hansen: Philosophy of Education.
***Professor Arthur Zilversmit: History of Education.
Associate Professor Phylis Frankel: Behavior Disorders and Learning Disabilities. Psychology Applied to Education.
Associate Professor Mark J. Tierno (Chairperson): Curriculum Theory and Middle School Education.
Instructor Julie W. Massey: Clinical Experiences in Education.
‡Lecturer Gertrude Grisham: Director of the Writing Center.
‡Lecturer Florence Singer: Art Education.

The belief of the Education Department is that the best preparation for any teaching career — elementary or high school — is a broad and liberal education. Accordingly, all candidates for teaching certificates are required to take courses throughout the divisions of the college and to complete another academic major in addition to an Education major.

Since there is an expressed need for teachers who are specially prepared to work with students between the ages of 10 and 14, the Department of Education has developed a program that focuses on **teaching in the middle/junior high school** (grades 5-9). Students who complete the Lake Forest College Middle School Program will receive endorsement on their transcript and a special letter of recognition in their placement file.

Lake Forest College is also entitled by the state to prepare students for **certification in elementary schools** (grades K-9) **and high schools** (grades 6-12).

Students who are particularly interested in urban education may participate in the Urban Education Program of the Associated Colleges of the Midwest (ACM). ACM coordinates many offerings for students in nearby Chicago, including a new program leading to **bilingual (Spanish/English) certification** at either the elementary or secondary level.

Teacher candidates interested in elementary or secondary education are required to elect an academic major as well as meet the general education requirements outlined by the State Certification Board.

‡Part-time Teaching, 1983-84.
***Leave of Absence, Spring, 1984.

Lake Forest College also offers a six course program to prepare teachers for employment as professional educators in **private boarding schools.** This sequence of courses may be started during either the sophomore or junior years and will culminate with a two month live-in internship at a boarding school located in either the East or the Midwest.

Those students who wish to complete a teacher education program at any teaching level must complete the requirements for admission to the certification program.

All students will complete a minimum of 100 clock hours of classroom experience with children prior to their student teaching. While many of these hours are accumulated during regular education classes, a variety of internships are also available.

Students who wish to study American education, but do not intend to teach may elect to take education courses without applying for the certification program.

The department elects students to Kappa Phi Kappa, national honor society in education.

Admission Procedures for the Illinois State Teacher Certification Program at Lake Forest College.

Sequence of Eight Steps leading to Teacher Certification — Elementary (K-9) or High School (6-12).

1. *Education* 210. The candidates must receive a grade of "B" or better in the course. Students who do not meet this requirement should request a meeting with the Chairperson of the Education Department to discuss further plans. The Chairperson may then recommend that the candidate arrange a personal interview with the Education Adivisory Council.*
2. *Personal Interview.* A student who receives a grade of "B" or better in education 210 must then request an interview with two members of the Education Advisory Council and the Chairperson of the Department of Education to determine the student's goals for a teaching certificate and to determine whether or not the student appears to be the type of individual the teaching profession requires. If there is some doubt among the committee members about the potential of the student, a local school principal may be asked to interview the student.
3. *Admission to the Program.* Students who meet these criteria are then officially admitted to the program leading to teacher certification: admission is noted on the students' transcripts.
4. *Coursework.* (See the Chairperson of the Department for documents that describe coursework requirements of LFC and the State of Illinois for the type of certificate sought.)
5. *Application for Student Teaching.* Once the student has completed all of the required coursework (or shows proof of registration), he or she must then supply to the Education Advisory Council* the following information:
   a. a letter of recommendation from his/her academic advisor
   b. his/her LFC transcript showing a 2.5 average in Professional Education courses, a 2.5 average in General Education courses, and a 2.5 in the academic major
   c. proof that he/she has completed a minimum of 100 hours of clinical experiences that involved direct contact with children and teachers — usually accomplished in Ed 210, 303 or 313
   d. by *unanimous consent the Education Advisory Council* may waive the grade point average requirement*
6. *Acceptance Into Student Teaching.* Students who meet the criteria will be notified that they have been accepted into the student teaching program.
7. *Student Teaching.* See course descriptions for Ed 418 and 420. Students must receive credit for the course in order to be eligible for certification.

*Members of the Education Advisory Council, 1983-84: Mr. Tierno, Mr. Hansen, †††Mr. Garneau, Ms. Frankel, Mr. Mitchell, Mr. Speros, Ms. Grisham, Mr. Weik,*** Mr. Zilversmit, Ms. Massey, Ms. Singer, and 3 student members, Sandra Nichols, S. Holly Drake, Joseph Angeletti; Deborah Dalzell (alternate).

***Leave of Absence, Spring 1984.
†††Sabbatical Leave of Absence in Spring, 1984

8. *Application for a certificate.* In the term preceding graduation (or during the term in which student teaching was completed) the student will complete the necessary forms and pay a $20.00 fee at the Registrar's Office.

State of Illinois — Standard Elementary Certificate (K-9)
(Recognized and Approved 12/30/68; 6/20/80)

A. General Education	
1. Language Arts (English, Composition, Speech and/or Drama)	3 courses
2. Science	2 courses
3. Social Science (including one course in American History or American Government)	2 courses
4. Humanities (including minimum of ½ course Music, ½ course Art)	1½-2 courses
5. Mathematics	2 courses
6. Electives in any of the above fields and/or psychology (except Educational Psychology)	3 courses
7. Academic Major (any available at LFC)	8 courses (minimum)
B. Professional Education: Elementary	
1. Observing the Schooling Process	1 course (Ed. 210)
2. Philosophies of Education, or, History of Education	1 course (Ed. 220 or Ed. 270)
3. Psychology Applied to Education	1 course (Ed. 318)
4. Art Education (Applied to Humanities and general education)	½ course (Ed. 312)
5. Seminar and Fieldwork in Elementary Reading Methods	1 course (Ed. 303)
6. Health Education	1 course (Ed. 314)
7. Methods and Materials of Teaching in the Elementary Grades	1 course (Ed. 417)
8. Student Teaching in the Elementary Schools	3 courses (Ed. 418)

State of Illinois — Standard Secondary Certificate (6-12)
(Recognized and approved 12/30/68; 6/20/80)

A. General Education	
1. Language Arts (English, Composition, Speech and/or Drama)	2 courses
2. Science and/or Mathematics	2 courses
3. Social Science (including American History and/or American Government)	2 courses
4. Humanities (Art, Music, Foreign Language, Philosophy, Religion, Literature)	2 courses
5. Electives in any of the above fields including psychology (except Educational Psychology)	2 courses
***6. Academic major (English, French, German, Spanish, History, Mathematics, Natural Science/Biology, Natural Science/Chemistry, Natural Science/Physics, Social Studies/American Studies, Social Studies/Economics, Social Studies/History, Social Studies/Politics, Social Studies/Sociology & Anthropology, Social Studies/Psychology)	8 courses
B. Professional Education: Middle School/Jr. High/High School	
(R) = required (E) = elective	
Section I:	
(R) Observing the Schooling Process (prerequisite to courses in Section II)	1 course (Ed. 210)

***LFC is entitled by the State of Illinois to prepare students for high school (6-12) teaching certificate in these subjects *only*. Descriptions of specific course requirements for each subject are available from the Chairperson of the Department of Education.

Section II: Courses are open to those who have completed Ed. 210

(R) Philosophies of Education, or,	1 course (Ed. 220)
(R) Education in American Society	1 course (Ed. 270)
(R) Seminar and Fieldwork for Reading in the Content Areas	1 course (Ed. 313)
(E.) Guidance Skills for Classroom Teachers (required for middle school program)	1 course (Ed. 330)
(E) Advanced Field Work and Research Internship (may be taken more than once)	1 course (Ed. 311)
(E) Special Topics in Teaching Grades 5-8 (required for middle school program)	1 course (Ed. 317)

Section III: The following courses are open only to juniors and seniors who have completed the Section II courses. Exceptions are made for transfer students and others who seek flexibility in their scheduling.

(R) Psychology Applied to Education	1 course (Ed. 318)
(R) Health Education	1 course (Ed. 314)
(E) Special Studies in Education	1 course (Ed. 415)
(R) Curriculum Design and Instructional Methods for Middle School/Jr. High/High School Teachers (Must be taken before 420.)	1 course (Ed. 419)
(R) Student Teaching: Middle School/Jr. High/High School (3 course credits)	3 courses (Ed. 420)

Middle School Teacher Preparation

The Middle School Teacher Preparation at Lake Forest is a combination of courses required for State of Illinois Elementary or Secondary Certification and additional courses which focus specifically on the 10-14 year old in grades 5-8. The Middle School Teacher Preparation curriculum includes the following required courses:

1. Guidance Skills for Classroom Teachers	1 course (Ed. 330)
2. Special Topics in Teaching Grades 5-8	1 course (Ed. 317)
**3. Reading in the Content Areas	1 course (Ed. 313)
**4. Curriculum Design and Instructional Methods for Middle School and High School Teachers	1 course (Ed. 419)
**5. Student Teaching: Grades 6-8	3 courses (Ed. 420)

The following elective is available:

1. Internship in Middle School Teaching	1-4 courses (Ed. 311)

The Boarding School Teacher Training Program

The Boarding School Teacher Training program at Lake Forest is a combination of courses which have been selected to help prepare people who wish to embark upon a career as teachers in the private boarding school environment. The following courses are required for this program:

1. Observing the Schooling Process	1 course (Ed. 210)
2. Philosophy of Education or History of American Education or Psychology Applied to Education	1 course (Ed. 220) or (Ed. 240) or (Ed. 318)
3. Guidance Skills for Classroom Teachers	1 course (Ed. 330)
4. Curriculum Design and Instructional Methods for Middle School/Junior High and High School Teachers	1 course (Ed. 419)
5. Advanced Field Work	2 courses (Ed. 411)

**These courses are also required for the State Secondary Teaching Certificate.

210 OBSERVING THE SCHOOLING PROCESS FS Mr. Tierno

An introduction to the teaching-learning process from pre-school through high school. Participants observe, analyze, and discuss a variety of educational environments, including classrooms with exceptional students and classrooms in multicultural settings. Major focus upon developing competencies in educational library research and writing skills.

220 PHILOSOPHY OF EDUCATION F Mr. Hansen

Survey of contemporary theories of education, introduction to philosophical analysis of educational concepts, and development of analytical skills applicable to clarifying and resolving pedagogical and policy issues. (Also listed as Philosophy 220.)

227 WRITING SKILLS FOR TEACHERS

Students will examine the process of writing by composing short papers and by evaluating the writing of others, including papers written by high-school students. Class members will observe writing instruction in area schools and will both observe and tutor in the College's Writing Center. Lectures, reading, and discussion coupled with practical experience will allow students to explore such topics as grammar, patterns of organization, the research paper, making good assignments, and grading papers effectively. (Also listed as English 227. Not offered in 1983-84.) (In 1983-84 Foreign Languages, Linguistics 101 may be substituted for Education 227. See departmental chairperson for details.)

270 EDUCATION IN AMERICAN SOCIETY AND THOUGHT

Historical role of education in American society; education as a panacea and as a practical solution; schooling vs. education. Emphasis is on the twentieth century. (Also listed as History 270.) (Not offered in 1983-84.)

303 SEMINAR AND FIELDWORK IN ELEMENTARY READING METHODS F Ms. Massey

Places emphasis on theories of language acquisition and on characteristics of language development as they relate to teaching reading and the language arts. Alternative approaches to reading and language arts instruction including teaching students with language differences or learning difficulties are stressed. This course includes a major fieldwork component, involving both observation and teaching in an elementary school, as well as weekly seminars.

311, 411 ADVANCED FIELD WORK AND RESEARCH FS Ms. Massey, Mr. Tierno

Students who have completed 210 and wish to have additional experience of a different nature in school settings may apply for independent study in schools. Research on some special aspect of schooling is required.

*****312 ART EDUCATION F½** Ms. Singer

The media and methods of teaching elementary school art. Required only for elementary certification and applicable under State General Education Requirements, Art. One half course.

313 SEMINAR AND FIELDWORK FOR READING IN THE CONTENT AREAS F Mr. Tierno

Multiple approaches to the teaching of reading, characteristics of basic language learning, and the application of learning theories and models to the teaching of language and reading in the content areas. This course includes a major fieldwork component involving both observation and teaching in a secondary school as well as weekly seminar meetings.

314 HEALTH EDUCATION S Ms. Massey

Emphasis upon the relationship between education and physical, emotional, and moral growth and development from childhood through adolescence. Topics stressed include approaches to establishing a positive and healthy classroom environment; issues related to teaching in multicultural settings; and methods of teaching about sex, drugs, alcohol, and other health-related issues. Required for both elementary and secondary certification candidates. Intended primarily for juniors and seniors who plan to complete certification. Open to others with permission of the instructor.

***This course required for certification does not carry graduation credit, but will be given recorded credit on the student's academic record and may be taken in addition to the regular course load. No tuition fee charged for this course.

317 TOPICS IN TEACHING GRADES 5-8 (MIDDLE SCHOOL/JUNIOR HIGH SCHOOL)

Emphasizes the importance of developing special skills, competencies, and understandings for teaching middle school/junior high students. The history, philosophy, and current practices of the middle school are explored through active research. (Not offered in 1983-84.)

318 PSYCHOLOGY APPLIED TO EDUCATION S Ms. Frankel

Principles of psychology as applied to the teaching-learning situation. Emphases include the socio-emotional contexts of education and the identification and characteristics of students with special needs, including those with learning disabilities. (Identical to Psychology 318.) Open to underclassmen, but preference given to juniors and seniors. Prerequisite: Psychology 210 or permission of instructor.

330 GUIDANCE SKILLS FOR CLASSROOM TEACHERS S Mr. Tierno

A learning experience in the development of practical skills, such as values clarification, and group and individual counseling techniques. The focus is on fostering human relations in the classroom. (Required for middle school program.)

415 SPECIAL STUDIES IN EDUCATION S Mr. Tierno

Advanced research in the process of schooling and teaching. May be an independent project or an advanced internship. Juniors and Seniors.

417 TEACHING ELEMENTARY GRADES: METHODS AND MATERIALS F Ms. Massey

Taken prior to student teaching. Stresses practical skills of classroom teaching, including teaching elementary students with special needs.

418 STUDENT TEACHING/ELEMENTARY SEMINAR S Ms. Massey

Full day supervised teaching for 14 weeks in cooperating school. Triple course credit. Permission of Education Advisory Council required.

419 CURRICULUM DESIGN AND INSTRUCTIONAL METHODS FOR MIDDLE SCHOOL/JUNIOR HIGH AND HIGH SCHOOL TEACHERS F Mr. Tierno

Stresses the practical use of educational theory in the classroom by focusing on lesson and course planning, evaluation, discipline, and the teaching of students with special needs. Also explores the American high school and middle school today. Prerequisites: Education 210, 220 or 270, 313, 314, or permission of instructor.

420 STUDENT TEACHING/SECONDARY SEMINAR S Ms. Massey, Mr. Tierno

Full day supervised teaching 14 weeks in cooperating school. Triple course credit. Permission of Education Advisory Council required.

ENGLISH

†††Professor Kenneth C. Bennett: English literature, the Nineteenth Century. Modern drama and dramatic theory.
Professor Rosemary E. Cowler (Chairperson): English literature, late Renaissance and Eighteenth-Century. Literary theory.
Professor Ann Louise Hentz: English literature, the Renaissance. Modern poetry. Women writers.
Professor W. Gordon Milne: American literature, Nineteenth and Twentieth-Century fiction.
Associate Professor Robert M. Greenfield: Comparative literature. Modern literature. Folklore. Social theory.
Assistant Professor Diane M. Ross: English literature, Medieval and Renaissance, History of the English Language. Twentieth Century American literature.
Assistant Professor Nance Van Winckel: Creative Writing (Poetry and Prose); Expository Writing.
‡Lecturer Gertrude Grisham: Director of the Writing Center and Lecturer.
‡Lecturer Mary Gray Hughes: Creative Writing.
‡Lecturer Robert Orr: Film Studies.

The department is essentially a department of literature, though this in itself entails a concern for writing and there is provision for a writing concentration within the major.

Considering literature broadly as "that which distills, preserves and then enlarges the experience of a people," we in the English-speaking world are the inheritors of a great literary tradition, perhaps the richest in western history. This is the subject matter of English study. For the reader as well as the writer there is the study of techniques of effective communication and the cultivation of imaginative perception and, for the writer, expression.

A college major in English, then, in addition to comprising studies which are liberal and humane and thus appropriately "educative" ends in themselves, provides useful general preparation for employment by developing sensitivity to language and strong communication skills. For beyond the career opportunities in fields traditionally associated with the study of English — teaching, professional writing, editing and publishing — there is an expanding market in business and elsewhere for those who can read and write well in an age when most cannot.

†††Sabbatical Leave, Spring 1984.
‡Part-time Teaching, 1983-84.

Within the department a student may major either in the traditional literature program or in writing, focusing there either on creative or expository writing. The requirements for both majors include, initially, the introductory course, 105 (prerequisite for all advanced courses but not counted toward the major), and a three-term sequence in English literature: 200, 201, and 202 — to be taken in chronological order. In addition, the literature major must take one period course (300, 301, 302, 303, 304, 305, 306, or 400); the senior integrating course (450); one course chosen from among the following: 203, 204, 206, 207, 220, or any other of the period courses; and at least two other English courses as electives. For the writing major, further requirements include one course in American Literature (203, 204, or 205); the appropriate writing courses (for imaginative writers 240, 241, or 242, 340, and 440; for expository writers 243, an internship or some other practical experience, and 440), with the final course (440) including a culminating project; and at least one more English course as an elective. (English 341, "Advanced Writing Workshop," may be taken only beyond the eight required courses for writing majors.)

Once the student has declared a major he or she will, in consultation with an advisor, work out an appropriate program from among various period and genre courses, colloquia, independent studies, writing courses, film courses, and electives in related fields. Literature majors who plan, upon consultation with their advisor, to do graduate work should orient their programs toward the period courses and should have a reading knowledge of at least one modern foreign language, preferably French or German.

The department offers a range of courses attractive to the non-major as well as to the major. Writing courses include English 100 (Composition) and English 240, 241, 242, and 243 for those with the proper background. While the general level of courses is indicated by the numberings, many 200 level courses are open to freshmen, especially in the spring, with some also open to qualified freshmen in the fall. With the exception of the introductory courses 100 and 105, all English courses are open to upperclassmen. **Writing courses require the submission of a writing sample to the instructor.**

Those special studies courses, the topics of which vary from year to year (223, 224, 326, 350, and 400) may be taken more than once, but majors may count them only once toward the minimum major of eight courses.

100 ENGLISH COMPOSITION FS Staff
Designed for freshmen and other students (upon consultation with the Director of the Writing Center) who need practice in writing effective expository and argumentative prose. Includes study of research skills. Emphasis on methods of developing papers and achieving unity and coherence, as well as on grammar, usage, and other fundamentals of English. (Does not apply toward the major. Not open to upperclassmen.)

101 WRITING CENTER TUTORIAL FS
To improve expository writing skills, students will meet individually with the Director of the Writing Center each week for two semesters, one course credit to be granted upon completion of the second consecutive term. Assignments will vary with individual needs, with students writing diagnostic tests at the beginning and end of the course and maintaining a file of written work. (Does not apply toward the major.)

105 INTRODUCTION TO LITERATURE FS Staff
An introduction to literature through the study of such genres as poetry, the short story or short novel, and drama. Required for beginning English majors. (Not open to upperclassmen.)

109 MYTH AND LITERATURE
Detailed study of various representative myths and mythic archetypes (e.g., Creation, Fall, Satan, the Mother Goddess) and their influence on western literature. Readings from the Bible, Greek and Roman mythology, medieval and modern literature. (Not offered in 1983-84.)

200 ENGLISH LITERATURE I: THE MIDDLE AGES AND THE RENAISSANCE FS Ms. Ross
The first of the three-term sequence in the English tradition, in which such major figures as Chaucer, Shakespeare, and Spenser are

seen against the background of the literature of the two periods.

201 ENGLISH LITERATURE II: THE SEVENTEENTH AND EIGHTEENTH CENTURIES S
Ms. Cowler
The continuing study of the English tradition through the 17th and early 18th centuries with such important late Renaissance poets as Donne and Milton and such neo-classical writers as Pope and Swift. Prerequisite: English 200.

202 ENGLISH LITERATURE III: THE ROMANTIC, VICTORIAN, AND EARLY MODERN PERIODS F Mr. Bennett
The last of the sequence, bringing the study of English literature through the later 18th century and the 19th century to the early moderns. Prerequisite: English 200 and 201.

203 AMERICAN LITERATURE I: EARLY AMERICAN LITERARY CULTURE
The origins and growth of the American literary imagination from its beginnings in Puritan documents through major works of the early Romantics. (Not offered in 1983-84.)

204 AMERICAN LITERATURE II: STUDIES IN 19TH CENTURY AMERICAN LITERATURE
Works of representative writers: Poe, Hawthorne, Melville, Thoreau, Emerson, Whitman, Dickinson, Twain. (Not offered in 1983-84.)

205 AMERICAN LITERATURE III: STUDIES IN 20TH CENTURY AMERICAN LITERATURE F Mr. Milne
Works of representative writers: James, Crane, O'Neill, Adams, Mencken, Frost, Fitzgerald, Hemingway, Faulkner, Dos Passos.

206 WORLD LITERATURE I: MASTERPIECES OF LITERATURE, ANCIENT AND MEDIEVAL F
Ms. Cowler
The orgins of western literary tradition traced through such classic figures as Homer, Virgil, Dante, and Chaucer, and through selected examples from Greek drama and medieval drama and romance. (Cross-listed as Comparative World Literature 206.)

207 WORLD LITERATURE II: EUROPEAN CLASSICS OF THE RENAISSANCE AND ENLIGHTENMENT
Study of such major figures as Montaigne, Cervantes, Shakespeare, Milton, Racine, Molière, and Voltaire. (Cross-listed as Comparative World Literature 207.) (Not offered in 1983-84.)

208 WORLD LITERATURE III: EUROPEAN CLASSICS OF THE LATE 18TH AND 19TH CENTURIES S Mr. Milne
Readings in such major 19th century and early "modern" authors as Goethe, Balzac, Flaubert, Zola, Dostoevsky, Tolstoy, Ibsen and Mann. (Cross-listed as Comparative World Literature 208.)

220 SHAKESPEARE S Ms. Hentz
Selected plays to show Shakespeare's variety; intensive analysis of either "King Lear" or "Hamlet."

221 CONTEMPORARY LITERATURE S(B)
Mr. Greenfield
Literature of both East and West, drawn mainly from writings of the last thirty years, including works by Mishima, Kawabata, Lagerkvist, Dürrenmatt, and Grass. (Cross-listed as Comparative World Literature 221.)

222 INTRODUCTION TO FOLKLORE S
Mr. Greenfield
An introduction to various kinds of folklore — fables, riddles, tall stories, fairy tales, trickster tales, legends, folk songs, superstitions and magic formulas — and an exploration of present-day literary and popular use of folklore. (Cross-listed as Comparative World Literature 222.)

223 LITERARY TYPES AND TRADITIONS: SATIRE S Ms. Cowler
Investigation of the development and character of some genre or form of literature: tragedy, comedy, satire, biography, the lyric, the short story. (Cross-listed as Comparative World Literature 223.)

224 SPECIAL STUDIES: FITZGERALD AND HEMINGWAY F Mr. Milne
Intensive analysis of the works of one or two important literary figures or the detailed study of a single major work.

225 WOMEN WRITERS S Ms. Hentz
Women writers of the 19th and/or 20th century. The 19th century might include writers such as the Brontës, Gaskell, Eliot, Dickinson; the 20th century, writers such as Woolf, Cather, Plath, Rich.

227 WRITING SKILLS FOR TEACHERS
Students will examine the process of writing by composing short papers and by evaluating the writing of others, including papers written by high-school students. Class members will observe writing instruction in area schools and will both observe and tutor in the College's Writing Center. Lectures, reading, and discussion coupled with practical experience will allow students to explore such topics as grammar, patterns of organization, the research paper, making good assignments, and grading papers effectively. (Also listed as Education 219.) (Not offered in 1983-84.)

228 INTRODUCTION TO FILM STUDIES F Mr. Orr
Introductory course in film studies that examines structure and technique. Readings and discussions about particular films will emphasize how films communicate; how they achieve their dramatic purpose.

240 CREATIVE WRITING — FICTION S
Ms. Van Winckel
A beginning course in the craft of the short story. Group discussions and individual conferences. Prerequisite: Approval of a creative writing sample.

241 CREATIVE WRITING — POETRY F
Ms. Van Winckel
A beginning course in the craft of poetry. Group discussions and individual conferences. Prerequisite: Approval of a creative writing sample.

242 CREATIVE WRITING — PLAYWRITING AND SCREENPLAY WRITING F
Mr. Bennett, Ms. Mason
A beginning course in the craft of poetry. Group discussions and individual conferences. Prerequisite: Approval of a creative writing sample.
of a creative writing sample. (Cross-listed as Theatre 242.)

243 EXPOSITORY WRITING F
Ms. Van Winckel
A course for the students wanting increased proficiency in expository prose. Prerequisite: Approval of a writing sample.

300 MEDIEVAL STUDIES: THE CHAUCERIAN AND ARTHURIAN TRADITIONS S Ms. Ross
This course will consider two overlapping traditions of medieval narrative: The courtly romance culminating in Malory's *Morte Darthur,* and the realistic or bourgeois narrative characteristic of Chaucer. Readings will also explore the continental roots of the English masterpieces, including selections (in translation) from Boccaccio, Chretien de Troyes, and *The Romance of the Rose.* Prerequisite: English 200. (Cross-listed as Comparative World Literature 300.)

301 THE RENAISSANCE: AGE OF EXPERIMENT
A study of Renaissance literary art in prose, poetry, and drama, culminating in the great Elizabethans. (Not offered in 1983-84.)

302 JOHN DONNE AND HIS CONTEMPORARIES F Ms. Cowler
Literature of the earlier 17th century with close study of works of Donne, Herbert, Jonson, Burton, Browne, and others in the "Baroque" tradition.

303 THE AGE OF SATIRE: THE POPE-SWIFT CIRCLE
The principal neo-classical writers, including the Restoration dramatists and Dryden; the Augustans; and Johnson, Fielding, and Sheridan. (Not offered in 1983-84.)

304 THE ROMANTIC PERIOD
Key works, both poetry and prose, of Blake, Wordsworth, Coleridge, Lamb, Byron, Shelley, and Keats. Exploration of themes and ideas of a revolutionary era. (Not offered in 1983-84.)

305 VICTORIAN LITERATURE
Masterpieces of fiction, non-fiction, and poetry by Dickens, Tennyson, Browning, Carlyle, Arnold, Hardy, Wilde, and others. Set in the background of the age itself. (Not offered in 1983-84.)

306 THE ENGLISH NOVEL
Development of the novel; representative works by major figures from Defoe through Conrad. (Not offered in 1983-84.)

320 MODERN DRAMA
Innovative trends in theater of the 20th century: Ibsen, Strindberg, Chekhov, Shaw, O'Neill, Brecht, Dürrenmatt, Anouilh, Genet, Ionesco, Beckett, Pinter, and others. (Not offered in 1983-84.)

321 MODERN FICTION F Mr. Greenfield
An exploration of modern fiction as it has developed in the late 19th and 20th centuries — including such writers as Dostoevsky,

Joyce, Lawrence, Kafka, and Hemingway. (Cross-listed as Comparative World Literature 321.)

322 MODERN POETRY
Major figures in English and American poetry of this century. (Not offered in 1983-84.)

326 INTERDISCIPLINARY STUDIES
A comparative and interdisciplinary exploration of selected topics. (Not offered in 1983-84.)

328 SPECIAL TOPICS IN FILM S(A)* Mr. Orr
A study of the evolving Hollywood studio system with particular emphasis on the contemporary scene. Films illustrative of themes and changes in historical direction will be shown and discussed. No previous film course background required.

340 WRITING WORKSHOP F Ms. Hughes
An intermediary creative writing course for skilled and experienced students who want increased proficiency. Prerequisite: English 240 or 241 or 242.

341 ADVANCED WRITING WORKSHOP
A second intermediary creative writing course for students with considerable skill and experience who want further practice and proficiency. Prerequisite: English 340. (Not offered in 1983-84.)

350 JUNIOR COLLOQUIUM
Designed to permit study of a literary movement, a problem in aesthetics and literary criticism, or a selected theme. (Not offered in 1983-84.)

400 MAJOR BRITISH AND AMERICAN AUTHORS
Writers of eminence such as Chaucer and Milton. (Not offered in 1983-84.)

440 ADVANCED WRITING SEMINAR/TUTORIAL S(A)* Ms. Van Winckel
An advanced course for experienced students who wish to perfect their creative or expository writing skills. Group discussion and individual conferences. Prerequisite: English 243 or 340.

450 THEORY OF LITERATURE F Mr. Bennett
Important critical modes and approaches to literature; an integrating experience for the senior major.

*7½ week course.

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FOREIGN LANGUAGES AND LITERATURES

†††Associate Professor Jean-Luc Garneau (Chairperson): Linguistics, Littérature Québécoise. French literature of the 20th century. Translation.
Associate Professor Clayton Gray, Jr.: German language. Medieval, Nineteenth and Twentieth century German literature. Dutch language and literature. Comparative literature.
§Associate Professor George L. Speros: Spanish language. Peninsular Spanish literature and history. Contemporary Spanish politics.
Assistant Professor Kevin J. O'Connor: Twentieth Century Spain and Spanish America. Golden Age. Critical Theory.
Assistant Professor Marja Warehime: French language. Nineteenth and Twentieth Century French Art and Literature.
Assistant Professor Liselotte Weingant: Comparative Literature. German Language. Modern German Literature. Women's Literature. Austrian Literature. Theory of the Novel.
Instructor Julia Moldof-Kurtz: Spanish Language. Medieval Literature. Spanish for International Affairs.
‡Lecturer Nicole Zreczny: French Language. French for International Affairs.

The Department of Foreign Languages and Literatures offers course work in French, German, and Spanish. Its purpose is to equip students to read rapidly and accurately and to converse and write with an acceptable degree of fluency. it is also expected that the student will gain an insight into the cultural history and civilization represented by the language chosen and relate this to other studies in the liberal arts curriculum. Advanced level courses are designed to present a broad and fairly intensive study of each of the major literary periods and to perfect further the student's fluency in oral and written expression. Additional courses are offered in French, German, and Spanish literature in translation and are cross listed under "Comparative Literature." Courses in linguistics and civilization are available in English. Advanced students may participate in the internships offered in the three major languages.

§Associate Dean of the Faculty.
‡Part-time Teaching, 1983-84.
†††Sabbatical Leave, Spring, 1984.

Entering students desiring to continue with language studied in secondary school will be given a placement examination to determine the level at which they should continue the language in college. Each year of secondary school study is assumed to be the equivalent of one semester at the college level. A student presenting, for example, two years of secondary school language credit may be expected to resume language study with the first semester course at the intermediate level.

The Audio-Visual Center located in the Donnelley Library houses the foreign language cassette tapes, including not only textbook materials but also dramas, opera, poetry readings, lectures, and filmstrips in beginning, intermediate and advanced language, literature and civilization in the various languages offered.

There is on campus an active chapter of Phi Sigma Iota, the Foreign Languages Honor Society, which sponsors extra-curricular activities and prepares "Collages", a magazine of student writing in the Foreign Languages.

A major may be obtained in French, German, or Spanish with a concentration in language or literature, and will consist of a minimum of eight courses in the language chosen as a major. Other courses offered outside of the language sections of the department are also required. Listed below are the specific requirements in each language. The requirements for teacher certification are the same as those for language concentration except that students working toward teacher certification may substitute courses in Writing Skills for Teachers (Education 219) or ESL for the 112 proficiency in another foreign language.* Courses numbered 210 and below will not count in the major. Courses 110, 112 and 210 or the equivalent are prerequisites to all other language courses in each language. In French and German course 230 is a prerequisite for all other literature courses. All courses numbered 210 and above are given in the foreign language, except for those courses listed as taught in English.

A student must receive a "C" or better, in course 210 or have the permission of the instructor in order to take 230. A "C" or better, or permission of instructor also is required in courses 230, 310 and 311 in order to take upper-level literature and language courses. *For qualified students who double major in a foreign language and a second discipline, the proficiency in another foreign language is optional.*

Minimum Requirements

FRENCH LANGUAGE CONCENTRATION
230; 240; 280; 290; 310; 311; 312; 410
One Linguistics course chosen from 101, 201, 202 or 350
112 proficiency in another foreign language***
Foreign Civilization 200
(Students with a double major in a foreign language and a second discipline, please note the special provisions stated above.)

FRENCH LITERATURE CONCENTRATION
230; 280; 290; 311; 312 or 410; and 3 literature courses at 300/400 level**
One Linguistics course chosen from 101, 201, 202 or 350
Comparative World Literature (CWL) 100; one course selected from offerings in foreign literatures in translation** or foreign civilization**

GERMAN LANGUAGE CONCENTRATION
230; 240; 295; 310; 311; 312; 410; and one literature course at 300/400 level
One Linguistics course chosen from 101, 201, 203 or 350
112 proficiency in another foreign language***
Foreign Civilization 201
(Students with a double major in a foreign language and a second discipline, please note the special provisions stated above.)

GERMAN LITERATURE CONCENTRATION
230; 295; 311; 312 or 410; and four literature courses at 300/400 level**

*For professional and general education requirements, please refer to section on Department of Education.
**Approval of departmental advisor required.
***High school equivalency may be applicable; approval of departmental advisor required.

One Linguistics course chosen from 101, 201, 203 or 350
Comparative World Literature (CWL) 100; one course selected from offerings in foreign literatures in translation** or foreign civilization**

SPANISH LANGUAGE CONCENTRATION
280; 285; 310; 311; 312; 314; 410; and one literature course at 300/400 level
One Linguistics course chosen from 101, 201, 204 or 350
112 proficiency in another foreign language***
Foreign Civilization 202 or 412
(Students with a double major in a foreign language and a second discipline, please note the special provisions stated above.)

SPANISH LITERATURE CONCENTRATION
280; 285; 311 or 410; 312; and four literature courses at 300/400 level**
One Linguisitics course chosen from 101, 201, 204 or 350
Comparative World Literature (CWL) 100 or one course selected from offerings in foreign literatures in translation
Foreign Civilization 202 or 412

Foreign Civilization

200 FRANCE AND THE FRENCH WORLD
This course will be taught in English, team taught when possible, and will cover a variety of topics such as: art, politics, film, etc. It is aimed at familiarizing students with the French civilization, culture, and politics in France and in the French-speaking world. No prerequisite: (Not offered in 1983-84.)

201 THE GERMAN-SPEAKING WORLD
The culture, life and letters of FRG and GDR, Austria, and Switzerland, in the context of the geography and history of central Europe. Taught in English, with reading selections, films, and other visual materials. No prerequisite in German, but students who know some German will be able to work with bilingual materials. (Not offered in 1983-84.)

202 THE SPANISH-SPEAKING WORLD
Aspects of Spanish/Spanish-American civilization touching on historical, artistic, political, physical, and racial influences which have molded Spanish and Spanish-American cultures. Offered in English; team taught whenever possible. No prerequisite. (Not offered in 1983-84.)

219 CONTEMPORARY SPANISH POLITICS
In-depth study of the final years of the Franco regime, the "restoration" of the Bourbon monarchy and the problems/solutions facing King Juan Carlos I, and the new government. Taught in English. (Cross-listed as Politics 219.) (Not offered in 1983-84.)

French

110, 112 BEGINNING FRENCH FS
Mr. Garneau, Ms. Warehime, Ms. Zreczny
110 is designed to develop the student's ability to listen to, speak, read and write basic controlled patterns of the French language. 112 is a continuation of 110 and culminates in readings, class discussions and free composition to provide facility with the spoken and written language and insight into its structure.

210 INTERMEDIATE FRENCH F
Mr. Garneau
A course designed to afford the student with a systematic review of all the basic elements of French grammar, implemented with readings, exercises and drills, with a view to preparing the student for more sophisticated courses in language and literature. Classroom work supplemented by laboratory exercises. The equivalent of one year of college French is a prerequisite.

230 INTRODUCTION TO FRENCH LITERATURE F Ms. Warehime
The purpose of this course is to prepare the student for serious reading and analysis of literary texts in French. The course will be an introduction to the concepts of literary criticism and *explication de texte* and will familiarize the student with the vocabulary of literary analysis. The texts will be chosen from among the three major literary genres: poetry, novel, drama. All lectures, discussion, and assignments are in French. Prerequisite to all literature courses.

**Approval of departmental advisor required.
***High school equivalency may be applicable; approval of departmental advisor required.

240 FRENCH FOR INTERNATIONAL AFFAIRS S Ms. Zreczny

An introduction to the specialized vocabulary and styles which are peculiar to the conversational and written French of international affairs. Vocabulary building, conversation practice and acquisition of expressions and idioms necessary to handle oneself gracefully in everyday trans-cultural contacts. Particularly recommended to students who are thinking of careers in economics, politics, and international relations.

280 MEDIEVAL TO ROMANTIC S
Ms. Warehime

A topical survey of major French writers and literary movements from the medieval to the Romantic period. Readings may be chosen to focus attention on a particular theme or problem linking different periods and styles. Among the authors studied: Villon, Rabelais, Montaigne, Pascal, Descartes, Voltaire, Diderot, Rousseau.

290 MODERN PERIOD

A study of the literary movements and figures which have characterized the 19th and 20th centuries, an age of individualism, industrialism and the Great Wars, with a special emphasis on particular themes or problems. (Not offered in 1983-84.)

310 FRENCH PRONUNCIATION AND WORD FORMATION

French articulatory phonetics and its application to the phonological structure of the language. Corrective exercises for difficulties in pronunciation. Mechanism of word formation, lexicology, and semantics. Offered in alternate years. (Not offered in 1983-84.)

311 GRAMMAR, SYNTAX, AND STYLE S
Ms. Warehime

Modern syntactic theories and their implications for language learning and teaching. French grammar reviewed and refined through translation and the comparison of the stylistics of French and English. Offered in alternate years.

312 CONVERSATION F Ms. Warehime

Oral work for the student already possessing a working knowledge of French grammar. This course is designed to improve the linguistic competence of the student on several levels: practical necessities, social situations, exchange of ideas. Sketches, exposés, dialogues, and discussions will constitute the bulk of classroom activities.

350 FRENCH THEATRE

A close reading and discussion of several plays designed to give the student a clear sense of the development and the richness of French theatre. Emphasis is placed on literary history, aesthetics, and special questions in dramatic theory. May be repeated for credit. (Not offered in 1983-84.)

360 FRENCH NOVEL

Reading and discussion with a view to increasing appreciation of several related novels or novelists. The works are selected for their value as turning points in the understanding of the art of prose fiction and as examples of a particular stage in the development of that art. May be repeated for credit. (Not offered in 1983-84.)

370 FRENCH POETRY

An analysis of the work of one or several poets representative of a crucial moment in the history of French poetry. The essentials of French versification are stressed as well as the distinctive character of the various forms within the genre. May be repeated for credit. (Not offered in 1983-84.)

400 SPECIAL STUDIES

One author, one theme, one movement in literature or a group of works studied in depth, be it in French, Franco-Canadian or African literature of French expression. May be repeated for credit. (Not offered in 1983-84.)

410 CREATIVE COMPOSITION AND STYLISTICS S Ms. Zreczny

Analysis of style in selected French writers. Stylistic analysis of translations. Intensive work in creative original composition of prose, poetry, and drama.

430 FRENCH AUTHORS

The work of selected French writers, studied in depth. (Not offered in 1983-84.)

480 SEMINAR

An intensive investigation of a significant literary or linguistic problem. Topics to be announced. (Offered as required.)

490 INTERNSHIP AT NEW TRIER EAST HIGH SCHOOL

Approved interns may register for one course credit during the fall and/or spring semesters. Interns tutor students enrolled in the "Center for Self-Directed Learning" at New Trier East High School, Winnetka, Illinois, under the supervision of faculty at New Trier East and Lake Forest College. Open to qualified seniors, juniors and sophomores only.

German

110, 112 BEGINNING GERMAN FS
Mr. Gray

Intensive training in understanding, speaking, reading and writing of German, combined with an introduction to the culture and current lifestyles of the German-speaking countries. The two-semester sequence provides a basic active command of the patterns and essential vocabulary for conversation and writing, while developing the student's ability to read fairly sophisticated text passages with accurate comprehension and ease. Materials for lab practice, and tutorial assistance are provided.

210 INTERMEDIATE GERMAN F
Ms. Weingant

Practice in reading contemporary fiction and expository prose, to develop reading ease and accurate comprehension beyond the elementary level. Classroom discussions and guided compositions, review of grammar topics, lab exercises. Prerequisite: German 112 or permission of instructor.

230 INTRODUCTION TO GERMAN LITERATURE S Mr. Gray

Masterworks representing major trends, movements, and themes in German literature of the last three centuries, studied for their intrinsic value and historical significance. Students deepen their understanding of German structure and style as they learn fundamentals and methods of literary analysis and interpretation. The course provides historical, cultural, and critical perspectives for more advanced studies in upper division courses. Prerequisite: German 210, or equivalent. The course is a prerequisite for all literature courses.

240 GERMAN FOR INTERNATIONAL AFFAIRS S Mr. Gray

An introduction to the specialized vocabulary and styles which are peculiar to the conversational and written German of international affairs. Vocabulary building, conversation practice and acquisition of expressions and idioms necessary to handle oneself gracefully in everyday trans-cultural contacts. Particularly recommended to students who are thinking of careers in economics, business, politics, and international relations.

295 CONTEMPORARY VOICES F
Mr. Gray

Prose and poetry by German, Austrian, and Swiss authors, 1900 to the present, with special emphasis on the postwar period, and the contemporary world these recent works reflect. Annotated text editions are used whenever possible, to help students refine their language skills rapidly as they become acquainted with recent and current German literature. Prerequisite: German 230 or equivalent.

310 GERMAN PRONUNCIATION AND WORD FORMATION S
Ms. Weingant

The sound patterns, phonological and morphological structure of German, compared and contrasted with English. Introduction to phonemics and phonetic transcription, balanced by practical training in German pronunciation and diction.

311 GRAMMAR, SYNTAX, AND STYLE

Study of word formation and sentence structure prepares the student for graded writing exercises and free composition. Translation of excerpts from accomplished English authors encourages students to develop appropriateness in their choice of words, and a sense of style. The format is flexible, and will be adjusted to students' needs. Prerequisite: German 240 or 310, or permission of instructor. (Not offered in 1983-84.)

312 CONVERSATION F Ms. Weingant

Practice in free and directed conversation on a wide range of topics reflecting the taste and special interests of the participants. Study of idioms and vocabulary of everyday German, supported by selective review of grammar patterns, as needed. Textual and visual resources are provided, including newspapers, magazines, and films.

350 THE MODERN GERMAN THEATRE

Works by leading playwrights in the context of changing styles and trends in stage production, from Naturalism to the present decade: Holz, Hauptmann, Wedekind, Sternheim, Hofmannsthal, Kaiser, Brecht, Dürrenmatt, Handke, and others. (Not offered in 1983-84.)

360 ENLIGHTENMENT AND SENSIBILITY: LITERATURE AND THOUGHT IN THE EIGHTEENTH CENTURY S
Ms. Weingant

Kant, Lessing, Aristotle and Shakespeare.

and the coming of age of German literature in the "Sturm und Drang" years of Herder, Lenz, young Goethe, and Schiller.

370 CLASSICAL WEIMAR
Major works of Goethe and Schiller at the height of their careers: drama, narrative, lyrical genres, poetic theory and criticism. (Not offered in 1983-84.)

380 AN AGE OF REALISM
Realism as a world view and as mimetic method, from its roots in the late Romantic era to the onset of Modernism. Readings encompass a choice of works by nineteenth-century masters, from Tieck, Büchner and Kleist to Heine, Hebbel, Stifter, and Storm. (Not offered in 1983-84.)

400 SPECIAL STUDIES
One author, one literary theme, or a group of works studied in depth. May be repeated for credit. Topics include the German literary heritage; the novella; the Romantic school. (Not offered in 1983-84.)

410 CREATIVE COMPOSITION AND STYLISTICS
Practice in writing and revision of expository prose. Free composition, stylistic analysis, exercises in translation. The format is flexible and will be adjusted to serve the goals of enrolled students. (Offered as required. Not offered in 1983-84.)

430 GERMAN AUTHORS
The work of selected German writers, studied in depth. (Not offered in 1983-84.)

480 SEMINAR
An intensive investigation of a significant topic in literature, literary criticism, or literary theory. Topics to be announced. (Offered as required.)

490 INTERNSHIP AT NEW TRIER EAST HIGH SCHOOL
Approved interns may register for one course credit during the fall, and/or spring semesters. Interns tutor students enrolled in the "Center for Self-Directed Learning" at New Trier East High School, Winnetka, Illinois, under the supervision of faculty at New Trier East and Lake Forest College. Open to qualified seniors, juniors and sophomores only.

Linguistics

101 LINGUISTICS AND LITERATURE F
Mr. Garneau
A consideration of the major linguistic theories and their implications and relations to literary criticism. Special emphasis on applications to literary criticism of Transformational Grammar, Stratificational Grammar and Tagmemics. Discussion and critical appraisal of the value of such approaches to literary analysis. No prerequisite. Taught in English. (In 1983-84 Linguistics 101 may be substituted for Education 227. See departmental chairperson for details.) (Cross-listed as Comparative World Literature 101.)

201 DESCRIPTIVE LINGUISTICS
Principles and techniques of descriptive linguistics as seen through different schools of linguistics from structuralism to modern transformational and stratificational theories. Taught in English. (Not offered in 1983-84.)

202 HISTORY OF THE FRENCH LANGUAGE
Development of French from its origins to the present. Intended to introduce the students to the aims and methods of historical language studies. Study of phonological, morphological, syntactic and lexical changes through philological analyses of texts. (Not offered in 1983-84.)

203 LINGUISTICS: A COMPARATIVE HISTORY OF ENGLISH AND GERMAN
The development of the two West Germanic dialects from their Indo-European antecedents to modern English and standard high German. Introduction to aims and methods of historical language studies. Taught in English. (Not offered in 1983-84.)

204 HISTORY OF THE SPANISH LANGUAGE
Development of language from Vulgar Latin to Modern Spanish. Study of phonological, morphological, syntactic and lexical changes through philological analyses of texts. (Not offered in 1983-84.)

301 SEMANTICS AND LEXICOLOGY
An introduction to the science of meaning, concentrating on the formal aspects of content. Sememes and their structural components: distinctive and redundant features. Connotative and denotative significations. Types of semantic associations and transfers; semantic changes. Etymologies. Word selectivity. Taboo and euphemism. Principles of lexicography. (Not offered in 1983-84.)

350 LANGUAGE AND CULTURE
The relationship of language and culture has long been a crucial issue in the study of human societies and human thought. To what degree does language serve as a base for culture and for thought itself? How is language use related to social context? This course considers these questions through relevant works in anthropology and sociolinguistics. Prerequisite: one introductory course in S/A, or in Linguistics, and Junior or Senior standing, or consent of intructor. (Cross-listed as Sociology/Anthropology 350.) (Not offered in 1983-84.)

Literature in Translation

(Cross-listed under Comparative World Literature)

201 IMAGE AND LANGUAGE: FRENCH WRITERS AND AUTHORS OF THE MODERN PERIOD
Works by critics, philosophers, verbal and visual artists will provide a series of perspectives on image-making. The selection will include journals, letters, poetry, film criticism, film and visual arts by representative artists and writers such as Baudelaire, Delacroix, Van Gogh, Pierre Renoir, Marcel Duchamp, Francis Ponge, Merleau-Ponty and Malraux. Course to be taught in English. (Not offered in 1983-84.)

202 CONTEMPORARY SPANISH-AMERICAN NARRATIVE IN TRANSLATION S Mr. O'Connor
"Writing a novel is an act of rebellion against reality, against the gods, against God's creation . . . It is an effort to correct, change or abolish substantial reality and to replace it with the formal reality of the verbal worlds the novelist creates." This will be examined in the works of Carpentier, Cortázar, Fuentes, Garcia Márquez, Vargas Llosa, and other Spanish-American novelists.

203 MASTERS OF MODERNISM: NIETZSCHE, RILKE, HESSE
The aestheticism and identity crisis of early twentieth century Europe reflected in prose and poetry of German and Austrian writers: Nietzsche, George, Hofmannsthal, Rilke, Trakl and Hesse. Study of selected works and their relationship to contemporary trends in psychology, music, and the visual arts. Taught in English. (Not offered in 1983-84.)

204 PENINSULAR SPANISH LITERATURE IN TRANSLATION
A study of selected peninsular Spanish authors from various literary movements and periods, particularly for purposes of comparison with representatives of other cultural traditions. Specific attention is given to the aesthetic, historical, and ideological importance of these authors and their works. All readings, discussions, and assignments are in English. (Not offered in 1983-84.)

302 GERMAN LITERATURE IN TRANSLATION: THE GERMAN NOVELLA S Ms. Weingant
In German literature the novella constitutes a distinct form of literary art. Its development will be traced from Romanticism to contemporary literature, from E.T.A. Hoffmann to Gunter Grass.

Spanish

110, 112 BEGINNING SPANISH FS
Ms. Moldof-Kurtz
110 is designed to develop the student's ability to listen to, speak, read, and write basic controlled patterns of the Spanish language. 112 is a continuation of 110 and culminates in graduated readings, class discussions, and free composition to provide facility with the spoken and written language and insight into its structure and the mores of Spanish-speaking cultures. Lab work is an integral part of the series.

210 INTERMEDIATE SPANISH F
Mr. O'Connor
Practice in reading contemporary fiction, expository prose, and drama. Classroom discussions, guided and free compositions, review of grammar, lab exercises. Prerequisite: one year of college Spanish or equivalent.

240 SPANISH FOR INTERNATIONAL AFFAIRS S Ms. Moldof-Kurtz
An introduction to the specialized vocabulary and styles which are peculiar to the conversational and written Spanish of international affairs. Vocabulary building, conversation practice and acquisition of expressions and idioms necessary to handle oneself gracefully in everyday trans-cultural contacts. Particularly recommended to students who are

thinking of careers in economics, business, politics, and international relations.

280 INTRODUCTION TO SPANISH LITERATURE F Ms. Moldof-Kurtz
Concepts of literary criticism and vocabulary of literary analysis developed through panoramic view of Spanish literature with special emphasis on distinctive features of significant literary movements and periods. Lectures on the history of literature. Readings and discussions of selections from representative literary texts.

285 INTRODUCTION TO SPANISH-AMERICAN LITERATURE
Concepts of literary criticism and vocabulary of literary analysis developed through panoramic view of Spanish-American literature with special emphasis on distinctive features of significant literary movements and periods. Lectures on the history of literature. Readings and discussions of selections from representative literary texts. (Not offered in 1983-84.)

310 SPANISH PRONUNCIATION AND WORD FORMATION
Phonological and semantic theories applied to the study of Spanish. Analysis of the formal sound system of Spanish based on articulatory and acoustic features. Phonetic realizations of phonological components, stress, rhythm, and intonational patterns. Dialectal variations. Practice in corrective phonetics. Denotative and connotative semantic features. Regional and social variants in the lexicon and content. (Not offered in 1983-84.)

311 GRAMMAR, SYNTAX, AND STYLE S Mr. O'Connor
Structural components of the Spanish sentence. Morphemes and their combinations, with special attention to verbal categories and inflections. Normative and structural syntactic analyses aimed at giving the student advanced practice in both spoken and written Spanish.

312 CONVERSATION F Mr. O'Connor
Intensive training in common idiomatic expression in everyday Spanish. Emphasis on oral expression and comprehension through free and directed exercises, e.g., sketches, exposes, dialogues, and discussions.

314 ADVANCED CONVERSATION AND COMPOSITION S Mr. O'Connor
Mastering conversation (beyond Spanish 312 level), reading and writing skills. Discussions, debates and papers on current topics expressed in the Spanish press and other non-literary texts.

350 SPANISH THEATRE S Ms. Moldof-Kurtz
A close reading of several plays illustrating a particular movement in the evolution of peninsular or Spanish-American theatre. Historical, aesthetic and technical aspects of the drama will be stressed. In alternate years.

360 SPANISH NOVEL
Reading and discussion with a view to increasing appreciation of several related novels or novelists. The works are selected from Spain or Spanish-America for their value as turning points in the understanding of the art of prose fiction and as examples of a particular stage in the development of that art. (Not offered in 1983-84.)

370 SPANISH POETRY
An analysis of the work of one or several poets representative of a crucial moment in the history of peninsular or Spanish-American poetry. The essentials of Spanish versification are stressed as well as the distinctive character of the various forms within the genre. (Not offered in 1983-84.)

400 SPECIAL STUDIES
One author, one theme in literature or a group of works studied in depth, be it Peninsular-Spanish or Spanish-American literature. May be repeated for credit. (Not offered in 1983-84.)

410 CREATIVE COMPOSITION AND STYLISTICS F Mr. Speros
Analysis of style in selected Spanish writers. Stylistic analysis of translations. Intensive work in creative original compositions of prose, poetry, and drama.

412 SPANISH LANGUAGE AND CULTURE F Ms. Moldof-Kurtz
Historical and social backgrounds of Spanish and Latin American civilization; non-literary aspects of Spanish and Latin American culture. Topic for 1983-84: The Hispanic in an Anglo World.

430 SPANISH AUTHORS
The work of selected Spanish or Spanish-American writers, studied in depth. (Not offered in 1983-84.)

480 SEMINAR
An intensive investigation of a significant topic in literature, literary criticism, or literary theory. Topics to be announced. (Offered as required.)

490 INTERNSHIP AT NEW TRIER EAST HIGH SCHOOL
Approved interns may register for one course credit during the fall and/or spring semesters. Interns tutor students enrolled in the "Center for Self-Directed Learning" at New Trier East High School, Winnetka, Illinois, under the supervision of faculty at New Trier East and Lake Forest College. Open to qualified seniors, juniors and sophomores only.

HISTORY

††Professor Ronald P. Grossman: Ancient and Medieval History. Psychohistory.
***Professor Arthur Zilversmit: American Intellectual History. History of American Education.
*Associate Professor Michael Ebner: Modern American History. Social History. Urban History.
Associate Professor D. L. LeMahieu: Modern European History. Intellectual History. British History.
Associate Professor Thomas Moodie (Chairperson): Modern European and French History.
Assistant Professor Jeffrey P. Brown: American Economic and Political History.
Assistant Professor Steven Rosswurm: American Colonial and Revolutionary History. Labor History.
‡Lecturer Carol Gayle Moodie: Modern European History. Russian History.

History is the collective memory of mankind. It informs us of the intense human struggles which shaped our past and thereby enriches our understanding of the present. A society that forgets its past is like an individual suffering from amnesia. Both lack identity, purpose and direction. Yet the complexities of the past cannot be reduced to simple rules for the present. History reveals a diversity of human experience that is worth pondering for its own sake. A respect for this diversity has long been the mark of an educated individual and a civilized society.

History courses at Lake Forest College reflect the diversity of the historical record. The department offers courses in intellectual, political, economic and social history. Since we recognize that the teaching of history has concentrated on the American and European past, the Department offers courses in the history of Africa and Russia in addition to the core of courses in European and American history. Several courses integrate new techniques into our approach. In one we draw upon the insights of modern psychology; in others we try to recapture the past through the methods of oral history and field work. A general History of Western

***Part-time Teaching, 1983-84 and Director of M/LS Progam and Community Education. Leave of Absence, Spring, 1984.
‡Part-time Teaching, 1983-84 and Associate Director of M/LS Program and Community Education.
*Leave of Absence, 1983-84.
††Sabbatical Leave of Absence, Fall, 1983.

Civilization course (101, 102) for non-majors provides a survey of the western heritage. Although open to majors, it does not count toward the major.

Students majoring in history are expected to complete three of the following four courses: History 118, 119, 120, 121. Preferably these should be completed by the end of their sophomore year. They should also take one course outside modern European or American history, at least two 200 level courses, at least two 300 level courses and either the senior seminar (420) or an independent study research project. Staff and topics for the seminars vary from semester to semester. The department takes special interest in encouraging senior thesis work leading to the awarding of the degree with honors.

101 HISTORY OF WESTERN CIVILIZATION, ANCIENT, MEDIEVAL AND EARLY MODERN F Mr. LeMahieu

Development of Western Civilization from its Greek and Roman foundations through the rise of Christianity and the medieval period to the Renaissance.

102 HISTORY OF WESTERN CIVILIZATION, THE REFORMATION THROUGH THE NINETEENTH CENTURY S Mr. Grossman

The Reformation and the era of religious war, the Scientific Revolution, the Enlightenment, the French Revolution and the civilization of the nineteenth century.

103 THE INDUSTRIAL REVOLUTION IN FACT AND FICTION F Mr. Moodie

An examination of the impact of the industrial revolution on English society and of the great debate on the condition of England which industrialization produced. Malthus, Marx, Dickens and Gaskell are among the authors to be read and discussed. (Cross-listed as Writing On Special Topics 103.)

118 EUROPE FROM THE OLD REGIME TO THE MODERN ERA F Mr. LeMahieu, Mr. Moodie

Political, cultural and economic development of Europe from the age of absolutism to the end of the nineteenth century. The crisis of the old order in the age of Enlightenment and the French Revolution. Industrialization and modernization in the nineteenth century and the emergence of nation states and modern political ideologies. Emphasis on the reading and analysis of documentary materials.

119 EUROPE IN THE TWENTIETH CENTURY S Mr. LeMahieu, Ms. Moodie

The collapse and reconstruction of European society, politics and culture in the period from 1890 to the present. The destruction of nineteenth century liberal society through war and revolution, the emergence of conflicting ideologies between the wars and the reconstruction of Europe after the Second World War. Emphasis on the techniques of research and writing.

120 FOUNDATIONS OF THE AMERICAN REPUBLIC F Mr. Rosswurm, Mr. Zilversmit

The orgins of American society and the development of the United Sates from an underdeveloped new nation into a powerful national entity. Emphasis on the reading and analysis of documentary materials.

121 MODERN AMERICA S Mr. Brown, Mr. Rosswurm

America's response to industrialism and its changing role in foreign affairs. Emphasis on the techniques of research and paper writing.

170 EUROPE IN THE ERA OF THE FIRST WORLD WAR S 7½A Mr. Moodie

The impact on European society, politics and thought of Europe's first total war.

180 AMERICAN DIPLOMACY SINCE 1898

A survey of the evolving role of the United States in international affairs since 1898, with particular emphasis on the domestic origins of foreign policy. (Not offered in 1983-84.)

202* GREECE IN THE BRONZE AGE S

(Cross-listed as Ancient Mediterranean Civilizations 202. See page 50 for description.)

203* GREECE IN THE CLASSICAL-ROMAN AGES S

(Cross-listed as Ancient Mediterranean Civilizations 203. See page 50 for description.)

204* GREECE IN THE BYZANTINE-MEDIEVAL AGES S

(Cross-listed as Ancient Mediterranean Civilizations 204. See page 50 for description.)

*To arrange credit toward a history major, see the department chairperson.

210 THE ANCIENT WORLD
S Mr. Grossman
Early civilizations of the Nile and Tigris-Euphrates River valleys; Greek civilization and its Roman inheritors; origins and early development of the Christian church.

211 THE MIDDLE AGES
Division of the ancient world into the civilizations of Islam, Byzantium and Latin Christendom; origins and development of feudal society. Economic revival; origins of the European political order; the medieval intellectual tradition; the crisis of the 14th and 15th centuries. (Not offered in 1983-84.)

214 HISTORY OF RUSSIA F Ms. Moodie
Survey of the political, social, and intellectual history of Russia from the Muscovite period to recent times.

217 INTRODUCTION TO SUBSAHARAN AFRICA
A survey of the geography, social and political history, and post-idependence politics of Black Africa. (Not offered in 1983-84.)

218 HISTORY OF MODERN FRANCE
Social, political and intellectual development of France from the era of the French Revolution to the present. (Not offered in 1983-84.)

221 TUDOR-STUART ENGLAND
History of England from the consolidation of the Tudor monarchy to the era of Walpole. (Not offered in 1983-84.)

222 MODERN ENGLAND S Mr. LeMahieu
The transformation of English society and politics from the pre-industrial world to the emergence of the 20th century welfare state.

233 EUROPE IN THE AGE OF THE RENAISSANCE AND REFORMATION
The breakdown of the medieval synthesis. Italian Humanism, the Northern Renaissance, Luther and the destruction of Christian unity, the second generation of Reformation leaders, the voyages of discovery. (Not offered in 1983-84.)

235 HISTORY AND LITERATURE
Social history of Europe in the 19th century as seen through imaginative literature. Examination of social conditions and social change through readings: Balzac, Dickens, Zola. History 118 recommended. (Not offered in 1983-84.)

236 LITERATURE, SOCIETY, AND DISSENT IN RUSSIA
Examination of aspects of Russian intellectual and social history of the 19th and 20th centuries through contemporary writings, including fiction. History 214 recommended. (Not offered in 1983-84.)

250 THE AMERICAN CIVIL WAR S Mr. Brown
The origins of the war in the antagonistic development of North and South; Lincoln and the Republican Party; black activity in the North and South; reconstruction and the impact of the war on American development.

252 TOPICS IN AFRO-AMERICAN HISTORY S Staff
Important themes and events in the history of Blacks in America. The African heritage, slavery, emancipation, the development of the ghetto, models of Black leadership in the twentieth century.

255 AMERICAN SOCIAL HISTORY
Introduction to social change in American society from the colonial period through the industrial revolution. Topics covered include family, race relations, violence, the frontier, labor, ethnicity and politics. (Not offered in 1983-84.)

257 THE AMERICAN FRONTIER S Mr. Brown
An examination of the growth and development of the American frontier; its impact on American economic, social, political, racial and cultural patterns. A comparison of the American frontier with other frontiers. History 120/121 recommended.

260 AMERICAN ECONOMIC AND BUSINESS HISTORY FS Mr. Brown, Mr. Rosswurm
The causes and consequences of American economic development from under-developed nation to international industrial power; special attention to the changing forms of business organization and their relationship to economic development. Economics 110 or History 120/121 recommended.

263 MODERN AMERICAN CITY F Mr. Brown
The changing functions, scale, and quality of urban society from the 17th century to the present. An historical framework for studying modern American metropolitan problems in economic and cultural context. Some field work in metropolitan Chicago. (Cross-listed as Local and Regional 263.)

270 EDUCATION IN AMERICAN SOCIETY AND THOUGHT
Historical role of education in American society; education as a panacea and as a practical solution; schooling vs. education. Emphasis on the twentieth century. (Not offered in 1983-84.)

271 WOMEN IN MODERN HISTORY: EUROPE AND AMERICA F Ms. Moodie
Examination of the special forces shaping the lives of women in Europe and the United States, with emphasis on the 19th and 20th centuries; an examination of how industrialization and social change transformed women's roles and the way this was reflected in the political and intellectual realms.

279 PSYCHOHISTORY S Mr. Grossman
Methods and assumptions of modern psychology and psychoanalysis as applied to the study of history and biography.

310 THE INDUSTRIALIZATION OF EUROPE S Mr. Moodie
Readings and discussion of selected topics in European social and economic history in the era of industrialization. Attention to the newer methods of social and economic history. Prerequisite: History 118 or 119, or permission of the instructor.

315 THE RUSSIAN REVOLUTION
History of Imperial and Soviet Russia from the end of the 19th century, emphasizing political and social forces, ideological debates and cultural change. Close attention to the revolutions of this century, particularly those of 1917, and the character of development of Soviet society and institutions under Lenin and Stalin. Prerequisite: History 119 or 214 or permission of the instructor. (Not offered in 1983-84.)

331 AGE OF THE ENLIGHTENMENT F Mr. LeMahieu
Readings and discussion of major figures of the British and French Enlightenment. Prerequisite: History 118 or permission of instructor.

340 MASS MEDIA, CULTURE AND SOCIETY S Mr. LeMahieu
The origins and historical development of mass communications in the twentieth century; the role of technology in mass culture; the critique of mass media by intellectuals; the impact of American entertainment on European society; contemporary trends in mass media. Prerequisite: History 119 or 121 or permission of the instructor.

360 COLONIAL AMERICA F Mr. Rosswurm
Origins of European colonialism: Indian-European relations; Puritanism and society in New England; slavery and politics in Virginia; English imperial regulations; the Glorious Revolution; and the Great Awakening. Prerequisite: History 120.

362 THE AMERICAN REVOLUTION
S Mr. Rosswurm
The crisis of empire and the revolutionary movement; the war, nation building and the Constitution; attention to women, blacks, and native Americans. Prerequisite: History 120.

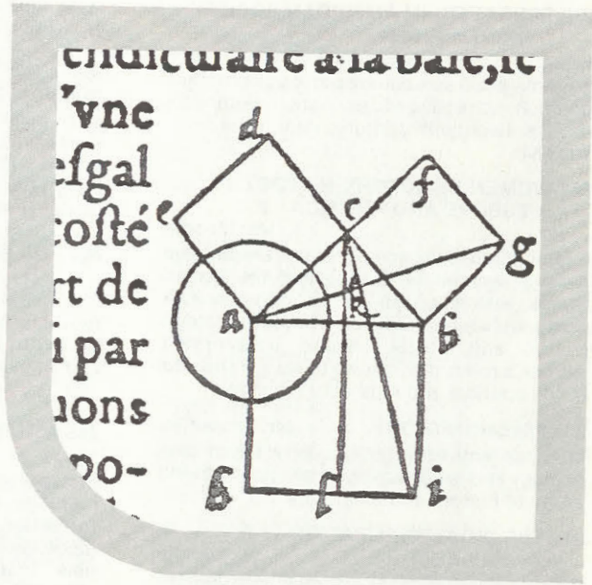
365 AMERICAN THOUGHT
Roots of American thought; emphasis on Puritanism, the Great Awakening, the political ideology of the Revolution and its transformation in the early 19th century; the ideological response to Darwinism and the new industrialism. Prerequisite: History 120, 121 or permission of the instructor. (Not offered in 1983-84.)

370 ORAL AND COMMUNITY HISTORY F Mr. Brown
Seminar combined with field studies, with students conducting interviews in Lake Forest and metropolitan Chicago.

420 SENIOR SEMINAR FS Mr. Rosswurm, Mr. Moodie
Selected advanced topics in history with attention to the methods and problems of historical research. Required of all history majors in their junior or senior years except those doing independent study research projects. Open to non-majors with the prerequisite and permission of the instructor.

Topic for fall, 1983: American Labor in the Twentieth Century. Growth and transformation of the labor movement, the depression and the organizing struggles of the 1930's; radicalism and the American labor movement. Prerequisite: History 121, 260 or permission of the instructor.

Topic for spring, 1984: Europe in the Era of the French Revolution. The crisis of the old regime, the social and intellectual sources of revolutionary ferment, the process of revolutionary change; the impact of the revolution outside France. Prerequisite: History 118, 218 or permission of the instructor.



MATHEMATICS and COMPUTER STUDIES

*Professor Edward Packel: Functional Analysis. Applications of Mathematics to the Behavioral and Social Sciences. Computer Science.
Professor Ralph L. Shively (Chairperson): Analysis.
Professor Robert J. Troyer: Geometry. Geometric Algebra.
Associate Professor Lowell A. Carmony: Computer Science.
*Associate Professor Charles S. Smith: Algebra. Statistics.
Assistant Professor Robert Holliday: Computer Studies.
§Instructor Ruthane Bopp: Algebra. Real Analysis.
Instructor Paul Kunkel: Algebraic Geometry.
Instructor Paul Shick: Algebraic Topology. Homological Algebra.
‡Lecturer James R. Fryxell: Probability and Statistics.

Mathematical concepts and mathematical techniques as well as computer science are in use today in an ever increasing number of human activities. The curriculum and other activities of the Department of Mathematics and Computer Studies are designed to acknowledge this fact. The department offers a major in mathematics and a major in computer studies.

MATHEMATICS MAJOR

There are two options a student may choose in order to satisfy the requirements for a major in mathematics. One option recognizes the fact that some students who intend to pursue mathematical careers need training that emphasizes applications of mathematics. The other option is a traditional program which students who wish to pursue further studies for advanced degrees in graduate schools will wish to elect. The minimum requirements for all students majoring in mathematics is satisfactory completion of Mathematics 110, 111, 210, 211, 231 and Computer Studies 112 (or in the honors sequence Mathematics 115, 116, instead of 110, 111). One option will be satisfied by completing Mathematics 350, 351 plus at least one additional course numbered 300 or above. The minimum requirement for the second option will be satisfied by receiving credit in Mathematics 330, 331 and at least one additional course

*Leave of Absence, 1983-84.
§Part-time Teaching and Registrar, 1983-84.
‡Part-time Teaching, 1983-84.

numbered 300 or above. In addition, one course from among the following is required: Physics 120, Philosophy 210, Economics 330, or any Computer Studies course numbered 213 or above. Most majors who plan careers in mathematics elect more than the minimum number of courses that are required. The sequence must be approved by the department. A reading knowledge of a foreign language is strongly recommended for students who plan to go to graduate school.

Mathematics 100, 103, 105, 150, 160, and 161 may not be counted toward the major.

The department encourages students interested in the actuarial profession to prepare for the examinations administered by the Society of Actuaries for certification as an Associate or Fellow in that professional organization. Students interested in the actuarial profession should elect Mathematics 110, 111, 210, 211, 231 (or the freshman honors sequence) along with Mathematics 161, 314, 350, 351.

Mathematics Courses

100 ELEMENTARY ALGEBRA* F
The algebra of fractions, roots, powers and radicals; inequalities; the linear function; the solution of systems of two or more linear equations; quadratic equations; word problems.

103 MATHEMATICS OF GAMES AND GAMBLING
Mathematical topics relevant to analysis of and strategy for various common games of skill and chance (backgammon, craps, roulette, etc.) followed by topics in elementary game theory. Emphasis on mathematical reasoning behind betting and play. Prerequisite: Experience with some games of the above type and interest in the mathematics behind them. (Not offered in 1983-84.)

105 ELEMENTARY FUNCTIONS* FS
Properties of functions with emphasis on polynomial, exponential, logarithmic, and trigonometric functions. Analytic geometry.

110 CALCULUS I* FS
The calculus of functions of one variable. Limits, continuity, differentiation, and applications; a brief introduction to integration. Prerequisite: 3½ years of high school mathematics or Mathematics 105.

111 CALCULUS II* S
The calculus of functions of one variable. Integration, applications of integration, sequences and series. Prerequisite: Mathematics 110.

115 HONORS CALCULUS I* F
Theory and applications of the calculus of functions on one variable. Limits, continuous functions, differentiable functions, and their applications. Prerequisite: Permission of instructor.

116 HONORS CALCULUS II S
Theory and applications of the calculus of functions of one variable. Integrable functions, sequences, infinite series. Prerequisite: Permission of instructor.

150 INTRODUCTION TO PROBABILITY THEORY AND STATISTICAL INFERENCE S
Designed for students in the social and life sciences. Discrete probability theory, distributions, sampling, correlation, and regression, Chi square and other tests of significance. Emphasis on the use of the computer as a tool and on applications to a variety of disciplines. (This course is comparable to Economics 230.)

160 FINITE MATHEMATICS WITH APPLICATIONS
Mathematical topics as needed to build and solve mathematical models of situations in the life, social, and managerial sciences. Finite sets; permutations and combinations with applications to probability theory; vectors, matrices, and linear programming; game theory; computing. (Not offered in 1983-84.)

161 MATHEMATICS OF FINANCE
A mathematical treatment of such topics as compound interest, present value, sinking funds, amortization of debts, and the use of mortality tables in the calculation of insurance premiums and life annuities. (Not offered in 1983-84.)

210, 211, MULTIVARIABLE CALCULUS FS
Multiple integration, and partial differentiation, Stokes' and Green's theorems. A transition from elementary calculus to functions of real variables. Prerequisite: Mathematics 111, 231. (Note Mathematics 231 and Mathematics 210 may be taken concurrently.)

* A placement examination is required for enrollment. See Chairperson.

214 DIFFERENTIAL EQUATIONS S
Techniques of solving ordinary differential equations including infinite series methods. Properties of linear systems. Applications of differential equations. Prerequisite: Mathematics 111.

230 NUMBER THEORY
Mathematical induction, divisibility properties of integers, prime numbers, congruences. Prerequisite: Mathematics 111 or permission of instructor. (Not offered in 1983-84.)

231 LINEAR ALGEBRA F
Vector spaces, linear independence, linear transformation, matrices, determinants, applications to geometry. Prerequisite: Mathematics 110 or permission of instructor.

260 HISTORY OF MATHEMATICS
A survey of the important concepts of mathematics from the time of the Babylonians to the present. Emphasis on contributions of the most prominent individuals associated with the development of mathematics. Permission of instructor. (Not offered in 1983-84.)

274 DISCRETE MATHEMATICS IN COMPUTER STUDIES F
This course covers the discrete mathematics which is fundamental to computer science with an emphasis on applications. Topics include graphs, lattices, Boolean algebras, algorithms, finite state machines and design optimization. Prerequisites: Mathematics 110 and Computer Studies 112.

310 COMPLEX ANALYSIS
Study of functions of one complex variable. Analytic functions, complex integration, Cauchy's theorem, complex power series, and special functions. Applications to other areas of mathematics and to mathematical physics. Prerequisite: Mathematics 211 or permission of instructor. (Not offered in 1983-84.)

314 NUMERICAL ANALYSIS
Linear and polynomial interpolation, finite differences, matrix methods. Solution of equations and systems of equations. Numerical differentiation, integration, and solutions of differential equations. Algorithms and computer applications. Prerequisite: Mathematics 111, 231 and Computer Studies 111. (Not offered in 1983-84.)

330 ALGEBRA I
A study of algebraic structures with emphasis on integral domains, groups, rings and fields. Prerequisite: Mathematics 231. (Not offered in 1983-84.)

331 ALGEBRA II
Additional topics in modern or linear algebra such as field extensions, group conjugacy, modules, eigenvalve theory, dual spaces, and unitary spaces. Prerequisite: Mathematics 330 or consent of instructor. (Not offered in 1983-84.)

340 GEOMETRY F
Selected topics from affine, Euclidean, non-Euclidean, projective and differential geometry. Prerequisites: Mathematics 231 or permission of instructor.

350 MATHEMATICAL PROBABILITY F
Discrete and continuous probability. Distributions, the law of large numbers, the central limit theorem, random variables, generating functions. Prerequisite: Mathematics 211 or permission of instructor.

351 MATHEMATICAL STATISTICS S
A mathematical study of such topics as random sampling, the law of large numbers, estimation of parameters, confidence intervals and tests of hypotheses, decision theory, regression, exponential design and analysis of variance and distribution free methods. Prerequisite: Mathematics 350.

375 COMBINATORICS AND GRAPH THEORY S
Enumeration techniques with emphasis on permutations and combinations, generating functions, recurrence relations, inclusion and exclusion and the pigeonhole principle. Graph theory with emphasis on trees, circuits, cut sets, planar graphs, chromatic numbers and transportation networks. Also included will be designs with emphasis on Latin squares, finite projective and affine geometries, block designs and design of experiments and error correcting codes. Prerequisite: Mathematics 274.

410 TOPOLOGY
Point set topology. Such topics as topological spaces, separation axioms, covering properties, metrization, convergence and completeness and homotopy theory. (Not offered in 1983-84.)

411 TOPICS IN MODERN ANALYSIS
Introductory notions of functional analysis. Banach spaces, integration and measure, Hilbert spaces, commutative Banach algebras. (Not offered in 1983-84.)

480 SEMINAR
(Not offered in 1983-84.)

COMPUTER STUDIES MAJOR
The computer studies major is designed to prepare students within a liberal arts setting for careers in the field of computer science. The minimum requirements for the major in computer studies are successful completion of Mathematics 110, 231 or 274, Computer Studies 112, 212, 213, 317, 318 and any three additional Computer Studies courses numbered 200 or above. Mathematics 111, 150 (or 350 and 351 for a stronger theoretical emphasis), 214, 314, 375, Philosophy 210 and Physics 240 are strongly recommended. Computer Studies 111 and 115 may not be counted toward the major.

Computer Studies Courses

111 COMPUTER PROGRAMMING I FS
Algorithms and flowcharts. The development of skills in the use of the programming language BASIC along with a study of the structure of this language. Problem solving and applications to a variety of disciplines.

112 COMPUTER PROGRAMMING II FS
Review of key aspects of Computer Studies 111. Development of the programming language Pascal, and more programming structure. Internal sorting and searching, elementary algorithm analysis. Group projects. Prerequisite: Computer Studies 111.

115 INTRODUCTION TO ADMINISTRATION PROGRAMMING AND APPLICATIONS S
Development of the programming language COBOL along with a variety of applications to common business programming situations. Coverage includes sequential and random access files. Prerequisite: Computer Studies 111.

200 IMPACT OF COMPUTERS ON SOCIETY
Historical significance of computers; present and projected applications of computers; social, political; legal, and ethical issues in a computerized society. Prerequisite: Computer Studies 111. (Not offered in 1983-84.) (In 1983-84 Sociology/Anthropology 271 may be substituted for Computer Studies 200. See department chairperson for details.)

212 ADVANCED COMPUTER PROGRAMMING F
Further exposure to the structured programming techniques of Pascal. Topics include sequential and random files, searching and sorting, static and dynamic storage allocation, recursion and elementary linear data structures such as stacks, queues, and linked lists. Prerequisite: Computer Studies 112.

213 INTRODUCTION TO COMPUTER SYSTEMS S
Computer structure and machine language, specific assembly language development, addressing techniques, input/output techniques, construction of an assembler. Prerequisite: Computer Studies 112.

214 COMPUTER ORGANIZATION AND INTERFACING
Basic logic, digital electronics, microcomputer architecture, hands on laboratory computation and interfacing. Prerequisites: Computer Studies 111 and Physics 121. Cross-listed as Physics 205. (Not offered in 1983-84.)

317 DATA STRUCTURES AND ALGORITHM ANALYSIS F
Basic data structures, algorithm design and analysis, applications programmed individually and in groups. Prerequisite: Computer Studies 212. Co-requisite: Mathematics 231 or 274.

318 PROGRAM LANGUAGE ORGANIZATION S
Basic computer liguistics, BNF tables illustrated by ALGOL or Pascal, static and dynamic storage, control structures, introduction to compiling and interpreting. Prerequisites: Computer Studies 212.

325 ARTIFICIAL INTELLIGENCE
An introduction to such topics as tree and

graph searches, minimax methods and alpha-beta pruning, heuristics, backtracking, natural language processing and computer vision and Robotics. Prerequisite: Computer Studies 317. (Not offered in 1983-84.)

336 OPERATING SYSTEMS AND SYSTEMS PROGRAMMING F

A study of assemblers, linkers, loaders and other systems programs. An introduction to memory, device, and file management in batch, multiprocessing, and time shared operating systems. Prerequisites: Computer Studies 212 and 213.

434 INTRODUCTION TO THE THEORY OF COMPUTATION

Formal grammars, sentence derivation and ambiguity, finite state machines, equivalence and reduction, equivalence of right linear grammars and finite state automata, limitations of finite state automata, Turing machines and effective computability, unsolvable problems and NP-complete problems. Prerequisite: Mathematics 231 or 274 or consent of the instructor. (Not offered in 1983-84.)

461 COMPILER DESIGN S

An examination of the major features of a compiler for a high level language. Includes syntactic analysis, symbol table generation, top-down parsing, error recovery, code generation and code optimization. Student will implement a complete compiler to an assigned minilanguage. Prerequisite: Computer Studies 213. Corequisite: Computer Studies 318.

MUSIC

Professor Ann D. Bowen: Music Theory. 20th Century Music History. Piano.
Professor Frank Kirby (Chairperson): Music History.
‡Lecturer Carol E. Ptack: Director of Choral Activities.
‡Teaching Associate John Chapman: Organ.
‡Teaching Associate Peggy Faller: Voice.
‡Teaching Associate Richard Faller: Brass Wind Instruments.
‡Teaching Associate Linda Larson: Piano.
‡Teaching Associate James Radon: Flute, Clarinet, Saxophone.
‡Teaching Associate Ruth Scheuzger: Violin, Viola.

The music department offers students not only an opportunity to pursue a course of study leading to a music major but also to elect courses which will broaden their liberal arts education. If one is interested in performance, it is possible to study an instrument, and there is also an opportunity to participate in choral groups.

The curriculum for the major places emphasis on courses in music history and theory rather than applied music. Courses in music history are ogranized to emphasize the major stylistic periods of the Western World. In addition to the study of music in its historical perspective, stylistic developments in music are related to those of other arts. Either Music 104 (Perspectives on Music) or Music 210 (Introduction to Music Literature) is a prerequisite for advanced music history courses, but neither counts toward the major in music.

The first two courses in music theory include work with basic melodic and chordal structures, formal modes of musical organization, harmonic analysis, ear-training, and sight-singing. In this integrated approach the student also has an opportunity to compose short compositions. The more advanced courses include counterpoint, fugue, and modern harmony.

A music major should demonstrate a minimum keyboard proficiency or a performing ability on another instrument. Staff members give private instruction in piano and organ, and instruction in other instruments is arranged with qualified musicians from the Chicago area.

‡Part-time Teaching, 1983-84.

The College Choir and Madrigal Singers are the departmental co-curricular musical organizations. Although there are no formal instrumental groups on campus, student directed ensembles are strongly encouraged. The aforementioned groups present frequent concerts and provide excellent musical experience for all participants. It is also possible for competent instrumentalists to audition for membership in the Lake Forest Symphony Orchestra.

The major includes Music 150, 151, 230, 233, 350, 351, 352, 353, and at least one other course in history or theory. In addition to the required course work, majors must have one year of applied music and must participate in a choral organization. A reading knowledge of German is encouraged, especially for the students who may want to pursue graduate study in music.

104 PERSPECTIVES ON MUSIC FS
Miss Bowen, Mr. Kirby
A non-technical introduction to various facets of music through guided listening to selected masterpieces of Western music as well as exposure to folk music, popular music, and Non-Western music. No previous knowledge is needed. Intended for non-majors.

105 AMERICAN MUSICAL THEATRE IN PAST AND PRESENT F Mr. Kirby
A study of representative musical comedies, operettas and related works which will provide topics for papers by students. Emphasis will be placed on relationships to political, social and cultural events. Among works to be discussed are: *The Desert Song, Show Boat, The Three-penny Opera, Porgy and Bess, Oklahoma!, South Pacific, My Fair Lady, A Little Night Music,* and others. (Also listed as Writing on Special Topics 105.)

109 CHOIR FS Mrs. Ptack
Credit may be earned after a year's participation in the group and completion of a research paper.

111, 211, 311, 411 APPLIED MUSIC FS
Staff
Private instruction in piano, organ, orchestral instruments and voice. One half-hour lesson and a minimum seven hours of practice per week. Satisfactory completion of one year of instruction qualifies a student for one course credit. There is an added fee for private lessons. Any student who desires more than two course credits in applied music or choir must satisfactorily complete the first term of theory.

150, 151 MUSIC THEORY FS
Miss Bowen
Basic vocabulary of materials of musical composition: melodic and chordal structures; sight-singing and ear-training; diatonic and chromatic harmony with emphasis on four-part writing, analysis, and creative work.

210 INTRODUCTION TO MUSIC LITERATURE
Explanation of basic materials of music leads to the survey of the major musical styles and media of performance from the Middle Ages to the present. Emphasis on listening. (Not offered in 1983-84.)

216 SYMPHONIC MASTERPIECES S (A)* Miss Bowen, Mr. Kirby
Varied aspects in the history of the symphony from its inception to the present day.

217 wORLD MUSIC SURVEY
A study of music outside the European "Art" tradition. Prerequisite: Music 104 or a knowledge of materials of music. Offered in alternate years. (Not offered in 1983-84.)

227 HISTORY OF JAZZ S (B)* Mr. Kirby
Principal styles of representative jazz musicians: the roots (including blues and ragtime); jazz in New Orleans and Chicago; big band, swing and modern jazz (since 1945).

230 COUNTERPOINT F Miss Bowen
"Species" counterpoint, use of both modal and tonal approaches in projects.

231 INVERTIBLE COUNTERPOINT AND FUGUE Miss Bowen
Study of double counterpoint and fugal techniques. (Offered as required.)

233 FORM AND ANALYSIS S Miss Bowen
Study of the principal forms in Western art-music: binary and ternary forms, the sonata, variation and rondo principles, and others, through analysis of individual compositions. Emphasis on forms in tonal music. (Offered as required.)

305 MUSIC/ART: THE EAR AND THE EYE: COMPARATIVE STUDIES IN MUSIC AND THE VISUAL ARTS S
Mr. Kirby, Mr. Schulze
Basic elements and principles in artistic expression; the social and cultural roles of the arts; classic and romantic traditions; art and music in various historical periods. Prerequisites or co-requisites: one course each in Art and Music or permission of instructors.

*7½ week course

329 HISTORY OF OPERA F Mr. Kirby
Study of stylistic aspects and analysis of the world's great operas.

332 MODERN HARMONY AND COUNTERPOINT Miss Bowen
(Offered as required.)

343 AMERICAN MUSIC F Miss Bowen
Music in the United States from the time of the Pilgrims to the present day. The course includes "art" music, folk music, and jazz.

350 HISTORY OF MUSIC TO 1750 F
Mr. Kirby
An introduction to the music of the Middle Ages, Renaissance and Baroque periods. A study of the works of representative composers whose masterpieces show the development of monophony, medieval and renaissance polyphony; then the rise of monody and opera will be studied along with representative instrumental forms of the late Baroque.

351, 352 MUSIC IN THE CLASSIC AND ROMANTIC ERAS S Mr. Kirby
Stylistic traits of the 18th and 19th centuries; works of Haydn, Mozart and Beethoven. Nineteenth century Romanticism centers around works of Schubert, Schumann, Liszt, Brahms and Wagner. (352, Not offered in 1983-84.)

353 20TH CENTURY MUSIC
Trends, techniques, and leading composers of modern music, from the French Impressionists to the present day. (Not offered in 1983-84.)

480 SEMINAR IN MUSIC HISTORY Mr. Kirby

PHILOSOPHY

Professor Forest Hansen: Aesthetics. Ancient Philosophy. Philosophy of Psychology. Greek Civilization. Philosophy of Education.
Associate Professor Abba Lessing (Chairperson): Existentialism. Jewish Studies. Hegel. Philosophy in Literature.
Assistant Professor Louis G. Lombardi: Ethics and Political Philosophy.
Instructor Laurie Shrage: Analytic Philosophy. Feminism.

Philosophy is one of our oldest disciplines. It is not so much a subject as a particular way of thinking, a critical reflection upon our most important judgments and human experiences. Philosophical skills can be used to put things into perspective, to see the consequences of our views, to assess the justifications of our beliefs, our practices, and our institutions. In pursuing wisdom, clarity, and intellectual responsibility, philosophers have engaged a wide range of issues: the relationship between human beings and nature, the possibility of knowledge, the justification of moral and aesthetic judgments, the basis of legal obligation, the value of justice, the meaning of human existence. Philosophy at Lake Forest College emphasizes the diversity of the discipline. Students have an opportunity to study the main lines of our philosophical heritage as well as the many sides of contemporary philosophical inquiry.

Because of the unusually broad applicability of philosophical reasoning skills, students trained in philosophy are well prepared for careers requiring a capacity for critical judgment. Except where prerequisites are listed, philosophy courses are open to all students. The minimum major requirement of eight courses must include Philosphy 211, 212, 213, and one 300-level course, other than 380. Philosophy 100 and 205 may not be counted toward the major.

100 REASONING: THEORY AND PRACTICE S

Development of reasoning skills through study of argumentation and principles of modern logic. Practice in analyzing and criticizing arguments. Topics include principles of valid argumentation, techniques for clarifying meanings. tactics for uncovering and avoiding fallacious reasoning and strategies for applying logical methods to making decisions.

110 INTRODUCTION TO PHILOSOPHY FS Staff

A general introduction to the scope and variety of philosophical thinking with emphasis on classical theories and contemporary controversies.

115 EXISTENTIALIST THOUGHT F Mr. Lessing

Introduction to the existentialist movement through its discursive and literary expressions. Readings in Kierkegaard, Nietzsche, Dostoevski, Kafka, Sartre, Heidegger and Buber.

120 CONTEMPORARY ETHICAL ISSUES S Mr. Lombardi

Discussion of current and controversial ethical issues such as euthanasia, moral obligation and the environment, sexual morality, abortion, discrimination, and preferential treatment. Particular attention will be given to the application of some major ethical theories to these contemporary problems.

200 FEMINISM: PHILOSOPHICAL ISSUES F Ms. Shrage

Examination of feminism and its relationships to three central topics in social philosophy: justice, rights, and equality. Readings include selected feminist writings and materials drawn from philosophy, law, and other disciplines.

201 MEDICAL ETHICS

Critical examination of ethical issues arising in the application and organization of biomedical resources. Problems touch on topics such as abortion, malpractice, patients' rights, experimentation with human subjects, distribution of medical care and medical education, allocation of scarce medical resources, concepts of death, genetic research. (Not offered in 1983-84.)

203 BUSINESS AND PROFESSIONAL ETHICS FS Mr. Lombardi

Analysis and evaluation of ethical problems in business and the professions. Attention will be given to the moral foundations for and limits on business activities, the idea of professional responsibility, and the relationship between professional and business obligations and general moral obligations.

205 THE HOLOCAUST: PHILOSOPHICAL AND THEOLOGICAL IMPLICATIONS S

Ethical, metaphysical, and religious concerns which issue from the historical and factual dimensions of the *Shoa*, the destruction of European Jewry.

210 SYMBOLIC LOGIC F Ms. Shrage

Introduction to the principles of deductive and inductive logic. Topics covered will include: traditional Aristotelian logic, Venn diagrams, quantification theory, and the truth-functional operators of propositional logic. Suitable for students in the humanities and natural sciences.

211 HISTORY OF WESTERN PHILOSOPHY: ANCIENT GREECE F Mr. Hansen

Nature of reality, knowledge, morality, and the ideal life traced from the pre-Socratics through Plato, Aristotle, and post-Classical thinkers to its emergence in medieval philosophy. Major focus: methods and world-views of Plato and Aristotle.

212 HISTORY OF WESTERN PHILOSOPHY: 17TH & 18TH CENTURIES S Ms. Shrage

17th and 18th century European philosophers. The divergent positions of Descartes, Hobbes, Spinoza, Leibniz, Locke, Berkeley, and Hume culminating in the synthesis of Kant. Prerequisite: 110, 211, or consent of instructor.

213 HISTORY OF WESTERN PHILOSOPHY: THE 19TH CENTURY F Mr. Lessing

Idealism, romanticism, existentialism, vitalism and pragmatism. Readings in Hegel, Kierkegaard, Schopenhauer, Marx, Nietzsche, Bergson and William James. Prerequisite: 110, 115, 212 or consent of instructor.

220 PHILOSOPHY OF EDUCATION F Mr. Hansen

Survey of contemporary theories of education, introduction to philosophical analysis of educational concepts, and development of analytical skills applicable to clarifying and resolving pedagogical and policy issues. (Also listed as Education 220.)

230 NIHILISM/PARADISE: PHILOSOPHY IN LITERATURE
The radical loss of meaning over and against a persistent vision of paradise illustrated in works by Dostoevski, Kafka, Sartre, DeSade, Nietzsche, Stendhal, Philip Roth, Elie Wiesel. (Not offered in 1983-84.)

240 PHILOSOPHY OF LAW
Survey of some main philosophical theories about the nature and justification of law, with intensive examination of several key philosophical problems as they arise in workings of the American legal system. Readings drawn from law and philosophy. (Not offered in 1983-84.)

250 PHILOSOPHY OF RELIGION
Relationships between religious conviction and reason through a close look at the nature of religious experience; the role of tradition, ritual, and myth; and the specific ways in which philosophy adds to or challenges religious life. Readings from classical and contemporary works. (Not offered in 1983-84.)

260 ESTHETICS: REFLECTIONS ON ART
S Mr. Hansen
Philosophical approach to understanding the creative process, the nature of art works and appreciation, and the foundations of esthetic criticism. Review of theories concerning visual arts, music, literature, dance, drama, film and architecture as a basis for theory development by each student.

270 PHILOSOPHICAL FOUNDATIONS OF POLITICAL IDEOLOGIES S
Mr. Lombardi
Examination of contemporary philosophical justifications for liberalism, libertarianism, socialism. Emphasis on differences in views of human nature, freedom, and the ideal society. Readings from John Rawls, Robert Nozick, Herbert Marcuse.

280 FOUNDATIONS OF MARXIST THOUGHT
Investigation of the epistemological, metaphysical, and ethical foundations of Marxism. Particular emphasis on Hegel's political writings, and the humanistic elements in the early writings of Karl Marx. (Not offered in 1983-84.)

300 MAJOR ETHICAL THEORIES F
Mr. Lombardi
Investigation of principal Western theories of ethics. Issues include the foundation of morality in reason or sentiments, the fundamental principle of morality, the relationship of morality to character, and the demands of morality on human action. Readings from philosophers such as Aristotle, Hume, Mill, Kant and Ross.

310 20TH CENTURY: ANGLO-AMERICAN PHILOSOPHICAL THOUGHT
Investigation of revolutionary developments in 20th Century philosphy in the impact of linguistics and philosophy of language on metaphysics and epistemology. Emphasis on Bertrand Russell and Ludwig Wittgenstein. Prerequisite: Philosophy 211, 212 or 213. (Not offered in 1983-84.)

320 20TH CENTURY PHENOMENOLOGY AND EXISTENTIALISM S
Mr. Lessing
20th century Continental philosophers and the primacy of "lived existence" for reflecting on decision, perception, estrangement, authenticity and intimacy. Readings in Kierkegaard, Nietzsche, Husserl, Heidegger, Sartre, Buber, Jaspers, and Merleau-Ponty. Prerequisite: 115, 211, 212, or 213.

380 DIALOGUE
Traditional and non-traditional philosophic areas not covered elsewhere in the curriculum. (Not offered in 1983-84.)

480 SYMPOSIUM S Mr. Lessing
Seminar primarily for junior and senior majors, though open to non-majors with the instructor's permission. Topic: "Appearance and Disappearance: Images and Illusion".

PHYSICS

§Professor Bailey Donnally: Atomic Structure. Atomic Collisions. Electronics. Photography.
Professor Roger Faber (Chairperson): History and Philosophy of Science. Chemical Physics.
Professor Tung H. Jeong: Coherent Optics. Holography. Laser Applications.
Assistant Professor Richard J. DeCoster, II: Space Physics. Particle Physics.
Assistant Professor Arthur Schmidt: Nuclear Physics. Computers. Electronics.

Physics is an important, indeed basic, part of our knowledge of the natural world. The study of physics also provides insight into the development of modern culture, since practical applications of physics change the way we live, and the concepts of physics help to shape contemporary ideas about the cosmos and our place in it.

Physics 120 and 121 are the introductory sequence, which should be taken by students majoring in the physical sciences and by those who desire a more detailed, quantitative, study of physical principles and phenomena.

Courses numbered 104 through 109 and 200 are topical courses designed for students not majoring in the sciences who want to explore physical principles with emphasis on concepts rather than on mathematics, and with some attention to the relation of physics to other human endeavors.

The major includes 120, 121, and 210. Courses numbered from 104 through 111 and 200 will not normally count toward the major requirements in physics; but in special cases, such as a late decision to major in physics, exceptions may be made to this rule by the department chairperson.

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§Provost and Dean of the Faculty.

106 LIGHT, SOUND, AND THE WORLD OF WAVES

Behavior of waves, including water, sound, radio waves, and light. Optics of lenses and mirrors. Holography. Musical instruments. No laboratory. (Not offered in 1983-84.)

107 CHANCE, FATE AND PHYSICAL LAW F Mr. Faber

Does everything happen because it must or is there room for freedom and novelty in natural events? In this course we trace attempts to answer that question through the history of physics as we follow the development of ideas about causality, space, and time. We examine three revolutions that have changed these concepts, namely those inspired by the classical mechanics of Newton, by Einstein's Theory of Relativity, and by Heisenberg's Principle of Indeterminacy. The first two support, whereas the third undermines, the belief that every event is determined to be the way it is by a rigid network of cause and effect. Lectures and demonstrations; no laboratory.

108 THE ENERGY CRISIS

How can the world's growing demand for energy be satisfied? Merits of present and proposed energy conversion methods. Problems with regard to environmental degradation, distribution, storage, cost, availability. Basic physical principles of various energy systems. No higher mathematics required. Two three-hour lectures per week for 7½ weeks. No laboratory. (Not offered in 1983-84.)

109 ASTRONOMY AND COSMOLOGY S Mr. Faber

The solar system and planetary motion, the nature and evolution of stars, star clusters, and galaxies and the structure and origin of the universe. Three hours of lecture per week; indoor laboratory work, and observations as weather permits.

111 COMPUTER METHODS IN SCIENCE F Mr. Schmidt

Applications of the unique calculating power of computers to science-related problems. Accelerated introduction to the programming language BASIC, with examples drawn from quantitative topics in the natural sciences. Special emphasis on building dynamical models and on analyzing and displaying data. No laboratory. Prerequisite or corequisite, one of the following: Biology 151, Biology 153, Chemistry 111 or Physics 121.

120 GENERAL PHYSICS F Mr. Faber
(1½ credit course) Mr. Jeong

Newton's laws of motion, conservation of energy and momentum. Types of motion treated include: translation, rotation, oscillation. Traveling and standing waves, thermodynamics, and kinetic theory, gases and pipes. Five lectures, one lab per week. Prerequisite or corequsite: Mathematics 110 and 115.

121 GENERAL PHYSICS S Mr. Faber
(1½ credit course) Mr. Jeong

Electric and magnetic fields. Circuit elements in both DC and AC circuits. Electromagnetic waves, geometric optics of mirrors and lenses. Interference and diffraction phenomena in light. Five lectures, one lab per week. Prerequisite: Physics 120. Prerequisite or corequisite: Mathematics 111 or 116.

200 THE PHYSICS AND THE ART OF PHOTOGRAPHY

Creative use of the photographic medium along with study of appropriate scientific principles and aesthetic values. Works of influential photographers and important photographic themes will be analyzed. Not open to students who have taken Art 132 or Art 240. (Also listed as Art 240.) (Not offered in 1983-84.)

205 COMPUTER ORGANIZATION AND INTERFACING S Mr. Schmidt

The basic components of a simple computer and how they work together. Programming a computer in machine language. Methods of interfacing a computer to the "real world". Real-time applications in the laboratory. Two lectures and two laboratory sessions per week. Prerequisites: Physics 121 and Computer Studies 111. (Cross-listed as Computer Studies 214.)

210 ATOMIC AND NUCLEAR PHYSICS F Mr. Schmidt

The structure of atoms and nuclei from the viewpoint of theory and experiment, including an introduction to the quantum theory. Nuclear reactions and models of the nucleus. Elementary particles. Three lectures, one lab per week. Prerequisites: Physics 121 and Mathematics 111.

230 THERMODYNAMICS

Fundamental ideas of temperature, heat, equilibrium, and entropy. Primarily macroscopic, but with some emphasis on the microscopic, statistical basis of thermodynamics. Prerequisites: Physics 121 and Mathematics 111. (Not offered in 1983-84.)

240 ELECTRONICS

Transistors, diodes, and their application in electronic circuits. Amplifiers, oscillators, logic circuits, computing circuits. Electronic instruments and measurements. Three lectures, one lab per week. Prerequisite: Physics 121. (Not offered in 1983-84.)

250 ANALYTICAL MECHANICS S Mr. DeCoster

Mathematical physics in the field of mechanics. Mechanics of single particles, systems of particles, rigid bodies, vibrations, and wave motion. Prerequisites: Mathematics 111 and Physics 120.

310 (F), 311 (S) ELECTRICITY AND MAGNETISM Mr. DeCoster

Electrostatics and solutions of electrostatic problems. Microscopic theory of dielectrics. Magnetic field of a steady current and the microscopic theory of magnetic properties of matter; Maxwell's equations, radiative phenomena, electrodynamics and elements of modern optics. Four lectures per week for 310. Three lectures, one lab per week for 311. Prerequisite: Physics 210.

350 MODERN OPTICS

A study of physical optics including topics in interference, diffraction, scattering, polarization, absorption, lasers, and applications. Three lectures, one lab per week. Prerequisite: Physics 121. (Not offered in 1983-84.)

410 ADVANCED ANALYTICAL MECHANICS F Mr. DeCoster

Emphasis on generalized coordinates. Newtonian, Lagrangian, and Hamilton-Jacoby theories in mechanics. Prerequisites: Physics 250 and Mathematics 210.

420, 421 QUANTUM MECHANICS

Formal, deductive approach to the quantum theory, with applications to atoms, molecules, and solids. Four lectures per week for 420. Three lectures, one lab per week for 421. Prerequisites: Physics 210 (or permission of instructor) and Mathematics 210. (Not offered in 1983-84.)

POLITICS

Professor Jonathan F. Galloway: International Relations. Political Economy.
Associate Professor Paul B. Fischer (Chairperson): Local and Regional Studies. American Politics.
Associate Professor Charles A. Miller: American Constitutional Law. Civil Liberties.
Assistant Professor W. Rand Smith: Comparative Politics. American Politics. Political Economy.
Assistant Professor Ghada Talhami: Third World Politics. Women's Studies.
Instructor Grant B. Mindle: Political Philosphy. American Politics.

The study of politics is an attempt to make sense of and impose order on the phenomena of human governance. It has to do with power and authority, legislatures and courts, war and peace, ideologies and the public welfare. Politics can be studied through the history of peasant revolts and presidential resignations; through the discussion of justice and equality, constitutionalism and political modernization; through research by microfilm and interview; through the techniques of statistics and simulation; and through the experience of living abroad or working as an intern in a government agency.

The courses in the Politics Department are designed to permit both majors and non-majors to study these themes and methods of politics. The major in the Department consists of a minimum of eight courses: two introductory courses (110 and 120) and six advanced courses, including at least one from each of the five subfields of politics, and from these courses: American Politics (220, 221, 222, 223), Public Law (360, 365), Comparative Politics (210, 211, 212, 213, 216, 217), International Relations (240, 340), and Political Theory (250, 255, 357, 358). The Department encourages individual study in politics beyond the required courses. This study may take the form of tutorials, independent research, internships, or a senior thesis.

Note on Politics 110 and 120: These two courses are designed for freshmen and sophomores. Juniors and seniors interested in a first politics course should consult departmental faculty for advice. The two courses are independent of each other and may be taken in either order. Politics 110 excludes American politics; Politics 120 is about American politics only. Therefore 110 is the normal prerequisite for further courses outside American politics and 120 is the normal prerequisite for further courses in American politics. The prerequisites may be waived with the permission of the instructor.

110 INTRODUCTION TO POLITICS: THEORY, COMPARATIVE, INTERNATIONAL FS
Mr. C. Miller, Mr. R. Smith, Ms. Talhami
Basic concepts in political science; selected governments other than the United States; analysis of current political problems; some reading in political theory and political novels.

120 AMERICAN POLITICAL INSTITUTIONS FS Mr. Fischer, Mr. Mindle
Introduction to American politics including origins of the system, basic institutions, political parties and interest groups; evolution of constitutional interpretation.

210 WESTERN EUROPEAN POLITICS F
Mr. R. Smith
A comparative study of the government and politics of Great Britain, France and the Federal Republic of Germany.

211 COMPARATIVE COMMUNIST SYSTEMS S (B)* Mr. R. Smith
Political systems of the Soviet Union, Eastern Europe, and China.

212 POLITICS OF THE THIRD WORLD F
Ms. Talhami
Special topics relating to Third World Nations in Africa and Asia, e.g., industrialization and ecology; power and authority in non-industrial society and culture.

213 THE POLITICS OF SOUTHEAST ASIA
Study will focus on Indonesia, The Philippines, Thailand and Vietnam. Themes to be analyzed include the impact of colonialism, modernization and the roles of leadership and bureaucracy. (Not offered in 1983-84.)

215 POLITICS AND CULTURE OF JAPAN S (B)* Mr. C. Miller
An introduction to Japanese society, politics and culture. Prerequisite: Politics 110 or Sociology and Anthropology 110 or consent of instructor.

216 THE POLITICS OF THE MIDDLE EAST S Ms. Talhami
Study will focus on the Arab states and Iran while considering such important themes as modernization/development, the military, the role of religion, intra- and extra-regional relations, oil, and the Arab-Israeli crisis. All of the above issues will be considered within the social context of the various countries studied so that students will also develop a familiarity with the Middle East as a geographical, social, and cultural area.

217 AFRICAN POLITICS F Ms. Talhami
A survey of the geography, social and political history, and post-independence politics of Africa.

218 TOPICS IN COMPARATIVE POLITICS F Ms. Talhami
Special studies on topics such as social class and class conflict, modernization, and communist foreign policy. The topic for 1983-84 is "Women and Modernization in the Third World."

219 CONTEMPORARY SPANISH POLITICS
In-depth study of the final years of the Franco regime, the "restoration" of the Bourbon monarchy and the problems/solutions facing King Juan Carlos I, and the new government. Taught in English. (Cross-listed as Foreign Languages, Foreign Civilization 219. Not offered in 1983-84.)

220 POLITICAL PARTIES
American parties, pressure groups, and electoral problems. (Not offered in 1983-84.)

221 THE PRESIDENCY S Mr. Fischer
An analysis of the executive in national government. There will be special emphasis on the 1980 and 1984 elections.

222 CONGRESS F Mr. Mindle
The United States Congress is studied with respect to representational styles, institutional roles and organization, and electoral trends.

223 URBAN AND SUBURBAN POLITICS F
Mr. Fischer
Problems of political and social organization in central cities and suburbs. Topics include local political parties, machines, mayors and city managers, and differences between big city and suburban politics. (Cross-listed as Local and Regional 223.)

230 PSYCHOPOLITICS S Mr. Galloway
An examination of psychoanalytic biographies of important political leaders — Woodrow Wilson, Mahatma Gandhi, Adolf Hitler and Lyndon Baines Johnson. What are the pitfalls and the opportunities of studying politics from the perspective of the person-

*7½ week course

alities of individual leaders? What is the impact of personality upon the policies of statesmen and states?

240 AMERICAN FOREIGN POLICY S
Mr. Galloway
The roles of culture, history, the separation of powers, and various elites and interest groups in influencing foreign policy; problems of morality, rationality, and the national interest; chronological survey of various issue areas since World War II.

241 THE VIETNAM WAR S (A)*
Mr. R. Smith
Vietnam's domination by China, France, and the United States. Analysis of the "final" Vietnam war from the perspectives of the United States and Vietnam. Prerequisites: Politics 110 or 120; or sophomore standing; or consent of instructor.

250 INTRODUCTION TO POLITICAL THEORY
The course will examine the various meanings and importance men have attributed to such concepts as freedom, equality, justice, morality, patriotism and citizenship. These conceptions will be analyzed and discussed in the context of an examination of four regimes: The ancient city, 16th century absolute monarchy, the American republic and Rousseau's republic of virtue. (Not offered in 1983-84.)

251 MARXIST THEORY AND MODERN CAPITALISM S Mr. R. Smith
The course will focus on the relevance of Marxist approaches to the study of contemporary capitalist societies, especially the United States, Western Europe, and Japan. Themes include: evolution of work and class structure, development of the modern corporation, international division of labor, role of the state in capitalist society, and forms of class consciousness and class conflict.

255 AMERICAN POLITICAL THOUGHT S
Mr. Mindle
The course will explore the central themes of American political discourse — equality, liberty, minority rights, states' rights, and civil disobedience — as they have been articulated throughout American political history, from the revolutionary war to the present. Readings to include selections from Jefferson, Madison, Calhoun, Lincoln, Thoreau, and Martin Luther King, as well as contemporary liberal and conservative tracts.

260 LAW AND THE POLITICAL SYSTEM S (A)* Mr. C. Miller
An introduction to the legal system of the United States with emphasis on the interrelationships between law and politics. Some materials from legal systems outside the U.S. Prerequisite: Politics 110 or 120, or sophomore standing, or consent of the instructor.

270 BUSINESS AND SOCIETY F
Mr. Galloway
Studies of the private and public sectors in the United States; the comparative role of markets and plans in producing and allocating wealth; the political economy of regulation; and the issues of social justice and corporate responsibility will be analyzed in theory and through the case study method.

290, 291 TUTORIAL
To be arranged individually with an appropriate faculty member.

320 PUBLIC ADMINISTRATION AND POLICY ANALYSIS
A study of the role of bureaucracy in political systems, with some emphasis on local government. The course includes an introduction to the analysis of public policy. (Cross-listed as Local and Regional Studies 320. Not offered in 1983-84.)

321 US. ENERGY POLICY F Mr. R. Smith
Examination of the policy process surrounding production and use of energy resources — oil, gas, coal, nuclear and solar. Topics include: energy corporations, OPEC, energy and American foreign policy, energy development vs. environmental protection, and political conflicts over energy use.

322 URBAN PUBLIC POLICY S Mr. Fischer
An examination of a number of policy areas such as education, race, housing, crime and transportation, as they relate to the future of American cities. (Cross-listed as Local and Regional Studies 322.)

340 WORLD POLITICS F Mr. Galloway
Continuity and change in international relations; consideration of the causes of war and the conditions of peace.

*7½ week course

345 TOPICS IN INTERNATIONAL RELATIONS F Mr. Galloway
Special topics such as peace research and world order. The topic for 1983 is "Law and Politics of Outer Space and the Seas." (Cross-listed as Local and Regional Studies 345.)

353 TOPICS IN POLITICAL THEORY
Special studies on topics such as democratic theory, John Rawls's theory of justice, capitalism and social change, conservative political thought in America. (Not offered in 1983-84.)

357 POLITICAL THOUGHT: PLATO TO AQUINAS F Mr. Mindle
Western political thought from the Greeks through the Feudal period.

358 POLITICAL THOUGHT: MACHIAVELLI TO THE PRESENT
Selected political philosophies from the 16th century to the present. (Not offered in 1983-84.)

360 AMERICAN CONSITUTIONAL LAW F
Mr. Mindle
A study through Supreme Court cases of major themes in American constitutional law from 1789 to the present.

365 CIVIL LIBERTIES S Mr. C. Miller
Problems in civil liberties and civil rights relating law to politics, society, and cultures; U.S. court cases, selected classical theorists, materials from other countries.

390, 391 INDEPENDENT RESEARCH
To be arranged individually with an appropriate faculty member.

395, 396 INTERNSHIPS

480 SENIOR SEMINAR
(Not offered in 1983-84.)

490, 491 SENIOR THESIS
To be arranged individually with a faculty supervisor.

INTERNSHIP IN POLITICS S
Mr. Fuechtmann
Relates theory to practice by placing students in governmental agencies, community interest groups, and other political environments. For more details, see Lake Forest College internship brochure. (2 course equivalents.)

PSYCHOLOGY

Professor Ronald H. Forgus: Personality. Cognition-perception. Motivation. Clinical psychology and therapy.

††Professor Robert B. Glassman: Brain function. Aggression. Learning and instinct. Animal behavior. Philosophy of science.

Professor David L. Krantz: History and systems of psychology. Theories of madness. Social psychology of science.

Associate Professor Charles F. Behling (Chairperson): Personality. Counseling and clinical. Social psychology. Interpersonal and Mass Communication.

Associate Professor Phylis M. Frankel: Counseling and clinical. Educational psychology. Diagnostic assessment. Child development.

Associate Professor Claire F. Michaels: Perception. Experimental psychology. Information processing. Psycholinguistics.

Associate Professor Stephanie Riger: Community psychology. Psychology of women. Organizational psychology.

Instructor Naomi Wentworth: Developmental Psychology. Motivation. Mathematical Psychology.

Psychology is a science, and an idealistic one. It takes as its goal not only technological discoveries about behavior, but also the expression of new conceptions of what it means to be human. In the words of George A. Miller, former president of the American Psychological Association: "I believe that the real impact of psychology will be felt . . . through a new and different public conception of what is humanly possible and what is humanly desirable. I believe that any broad and successful application of psychological knowledge to human problems will necessarily entail a change in our conception of ourselves and of how we live and love and work together."

The program of the Lake Forest College Psychology Department focuses on the scientific study of behavior. It is the goal of the department to use this study not only to develop the intellect of its students and faculty, but also to develop their sensitivity and wise responsiveness to human problems. The faculty sees psychology as an empirical approach which is to be used toward the understanding of the tasks of life.

The department strongly emphasizes the study of psychology as preparation for those persons who plan to enter graduate school, to become psychological workers, or to join related professions (teaching or business, for example). Our students have established successful records in this regard. The department is equally committed to offering meaningful programs for students who do not intend to utilize psychology professionally. Study is intended to have meaning in itself at this moment in the lives of students and faculty. The curriculum acknowledges that we are not only preparing for future activities, we are living and confronting psychological issues now.

With these goals in mind, the program concentrates on experimental and theoretical courses, practical experience, and heavy involvement in independent study. Close faculty-student contact is maintained. The ability of students to direct and motivate themselves is repected. We believe that students learn best by actively doing, and we encourage work in actual research and service settings. To this end we have available special programs in community, child, family and mental health specialties. This training prepares students to be psychological workers upon graduating.

The department sponsors a chapter of Psi Chi, national honorary society of psychology. The Psychological Services Center, operated out of the department, is a part of our involvement in the total life of the campus.

The discipline of psychology incorporates several subject matters and methods of inquiry. Majors at Lake Forest may specialize in any of the following areas: (a) Experimental (Courses 310, 320, 330, 370, 450, 475; Mr. Glassman and Ms. Michaels, advisors); (b) Personality (115, 210, 211, 230, 330, 375; Mr. Behling, advisor); (c) Clinical and Community (115, 225, 335, 350, 360, 430, 440; Mr. Forgus, clinical advisor, and Ms. Riger, community advisor); (d) Developmental and Educational (210, 211, 318, 360, 375; Ms. Frankel, advisor); (e) Social Psychology and Social Issues (117, 119, 215, 230, 240, 325, 355, 365; Mr. Krantz, advisor). Practicum experience (Psychology 380), internships and independent studies are offered in all these areas. Programs in Applied Psychology are offered within each specialty, especially for the purpose of facilitating interested students' career plans (e.g., in the helping professions, in business and industry, etc.). Ms. Wentworth is advisor for Applied Psychology.

The major requires Psychology 110 and 220 (basic courses which integrate the subject matter and methodologies of psychology). Majors are also required to elect an appropriate balance from among the specialties listed above. This selection should occur upon consultation with an advisor in the psychology department and should be based on the student's individual interests, attributes, and goals. Diversity and breadth of study are required of all students, however, and the department reviews the programs of each major yearly. Toward the goal of balance among specialties, majors must elect at least two courses from the basic experimental sequence (Psychology 310, 320 and 370.) In addition, majors are required to balance selections among introductory and advanced courses, and this is also considered in the yearly review. Toward this balance, at least one course must be chosen from the 400 level sequence. (A Senior Thesis may be substituted for this requirement.)

All professional activity in psychology requires the ability to evaluate original research literature, and much professional activity requires the ability to perform such research. Therefore, applications for professional work or graduate study are sometimes rejected without study equivalent to Psychology 420. Students should be aware of the importance of this issue when they discuss their individual goals and programs of study with their advisors.

All courses at the 100-level are open without prerequisites. Except where noted, Psychology 110 is required for all other courses in the department. Persons with substantial prior study of psychology, however, are invited to apply to exempt Psychology 110.

110 SURVEY OF PSYCHOLOGY FS Mr. Behling, Mr. Forgus, Ms. Riger, Ms. Michaels, Ms. Wentworth

A review of contemporary psychology, including considerations of learning, perception, motivation, emotion, development, personality, and social interaction.

115 HOW TO BE SANE IN A CRAZY WORLD S Mr. Krantz

"Everybody is crazy except you and me, and sometimes I worry about you." So goes the

††Sabbatical Leave of Absence, Fall, 1983.

argument of some recent critics, like R.D. Laing, of contemporary views of sanity. How plausible are the differing positions about sanity? What implications do these views have for successful living in the world? These two questions provide the focus for class lectures and discussions. The class will make several extended visits to mental hospitals.

117 SOCIAL PSYCHOLOGY OF RACISM AND OTHER FORMS OF OPPRESSION

Sociopsychological consequences of prejudice upon minorities, i.e., blacks, women, and religious groups. How does oppression affect intelligence, achievement, attitude, personality and emotional characteristics? What are the societal conditions which breed prejudice and oppression? (Offered in alternate years. Not offered in 1983-84.)

119 PSYCHOLOGY OF AGGRESSION

The problem of aggression, including consideration of aggressive behaviors in animals, human evolution, social psychology, learning and psychopathology. Is aggression a human instinct? Is it rational or irrational? (Not offered in 1983-84.)

210 PERSONALITY DEVELOPMENT: CHILDHOOD AND ADOLESCENCE FS

Mr. Behling, Mr. Forgus, Ms. Wentworth

The development of personality from conception through adolescence, with emphasis on the adaptive personality and on social issues associated with growth. Consideration of the interactions of cognitive, social, and physical processes in personality development.

211 ADULTHOOD AND AGING S

Ms. Wentworth

Examination of developmental processes associated with maturity and old age. Change, crises, and continued growth are assumed to be integral aspects of development during these time periods. Personality development will be approached in a holistic fashion, with attention given to physical and intellectual functioning.

215 SOCIAL PSYCHOLOGY, MOVIES, AND MASS COMMUNICATIONS S Mr. Behling

Influence of movies, television, and other organs of mass communications on the attitudes and behaviors of their audiences; basic perceptual principles as means of understanding the emotional impact of movies and TV; analysis of psychological themes in the mass media.

220 CONCEPTUAL AND QUANTITATIVE FOUNDATIONS OF PSYCHOLOGY FS Mr. Krantz

Examination of assumptions underlying psychological theorizing, research, methodology, and quantification. Application of research techniques and conceptual measurement.

225 THE ADDICTIVE PERSONALITY: ALCOHOL AND SUBSTANCE ABUSE

A study of personality characteristics related to alcohol and substance abuse; psychological consequences of dependency and addiction. Therapeutic techniques and treatment programs will be examined in depth. (Not offered in 1983-84.)

230 PSYCHOLOGY OF WOMEN AND OF MEN F Ms. Riger

The development of female and male identity, from biological, psychological, and cultural-historical perspectives. Integration of family and work roles (e.g., dual-career couples).

240 ORGANIZATIONAL AND INDUSTRIAL PSYCHOLOGY F Ms. Riger

The human side of management; why people work; increasing workers' motivation; enhancing the productivity of work groups; interpersonal relations in work settings; effective leadership in organizations.

310 BASIC PROCESSES: PERCEPTION FS Ms. Michaels

Covers visual and auditory perception from several perspectives. Analysis includes anatomy and physiology, information processing approaches, speech production and perception, and the theoretical and metatheoretical underpinnings of research. Prerequisite: Psychology 220 or permission of instructor.

318 PSYCHOLOGY APPLIED TO EDUCATION S(A)* Ms. Frankel

Principles of psychology as applied to the teaching-learning situation. Emphases include the socio-emotional contexts of education and the identification and characteristics of students with special needs, including those with learning disabilities. (Identical to Education 318.) Open to underclassmen, but preference given to juniors and seniors. Prerequisite: Psychology 210 or permission of instructor.

*7½ week course

320 BASIC PROCESSES: LEARNING S

Mr. Glassman

A survey of approaches to the study of learning, with emphasis on experimental studies. Topics covered will include behaviorism, thinking, language, motor skills, social learning, and brain functions in learning. A major theme of the course will be to ask to what degree people and other organisms rely on inborn instincts versus to what degree they rely on learning. To this end, we will discuss some aspects of the controversial field of sociobiology and we will discuss the role of symbols in contemporary life. Several class sessions will be devoted to laboratory experiences, e.g., verbal learning in humans and lever-pressing of rats. Prerequisite: Psychology 220 or permission of instructor.

325 PSYCHOLOGY OF SELLERS AND CONSUMERS S Mr. Glassman

This course joins some of the ideas of academic psychologies with practical concerns of the marketplace. For example, the psychology of perception is relevant to an experiment, carried out in class, on estimations of package sizes; social psychology of attitude change is relevant to questions about how new products can be introduced or old ones modified. One part of the course involves systematic examination of advice given in sales manuals. Another topic concerns the ethics of selling and the nature of a "consumer society". Students do projects and present results in class.

330 MOTIVATION S Mr. Forgus

A study of the origins and arousal of the range of motives in human personality (including motives for love, sexuality, competency, security and creativity). Human values, ethics and emotions will be considered as vital components of motivation. Important positive and negative aspects of motivation (such as satisfaction, peak experiences, fulfillment, frustration, conflict, violence and then redirection) will also be treated. Neuropsychological evidence as used in clinical practice will be brought to light. Prerequisite: Psychology 210 or permission of instructor.

335 PROCESSES OF GROUP THERAPY F

Mr. Behling

The principles of group dynamics, with attention to clinical implications. Group processes as techniques by which individuals define themselves. The use of experiential exercises. Prerequisite: Psychology 210 and permission of instructor.

350 ABNORMAL PSYCHOLOGY F

Ms. Frankel

Origins, treatment, and case studies of common behavior disorders analyzed in the context of adaptive personality development. Prerequisite: Psychology 210 or permission of instructor.

355 SOCIAL PSYCHOLOGY S

Mr. Behling

The individual in society: the social psychology of communications, the study of the formation and alteration of social perceptions and attitudes; groups and their dynamics; cooperation, competition, and conformity in groups.

360 DIAGNOSTIC TECHNIQUES OF PERSONALITY EVALUATION S (B)*

Ms. Frankel

Personality structure and dynamics through projective techniques and psychometric tests of intelligence. Supervised experience in administering, scoring, and interpreting. Emphasis on diagnostic procedures and appropriate recommendations for treatment. Prerequisite: Psychology 210 or permission of instructor. (Offered in alternate years.)

365 PSYCHOLOGY OF HUMAN SEXUAL BEHAVIOR

Integration of available research and theory in psychological, biological, and social aspects of human sexual behavior. Topics include: the anatomy and physiology of sex and reproductive processes, psychosexual development, sexual identity and object choice, sexual relationships and transactions, sexual health, sexual therapies, sexual lifestyles, sexual issues and the law, social and personal sexual value systems. (Not offered in 1983-84.)

370 PHYSIOLOGICAL PSYCHOLOGY S

Mr. Glassman

How the brain participates in psychological processes: perception, motivation, learning,

*7½ week course

movement, language, consciousness. Discussion of the action of drugs that affect awareness. Laboratory involves brain stimulation, recording, and ablation experiments in animals and demonstration of human brain waves.

375 HUMAN PERSONALITY F Mr. Forgus
The organization of personality, studied in the context of adaptive behavior and cognitive functioning. Topics include: theories, structure, dynamics, development, assessment, disorders, adaptive behavior and effective personality change. Prerequisite: Psychology 210 or permission of instructor.

380 PRACTICUM: WORKSHOP IN HELPING SKILLS S Ms. Riger
Supervised practice in applying psychological principles in research or service settings. Open to junior and senior psychology majors with permission of instructor. (Because the practicum experience varies, students may be permitted to repeat.)

410 THEORETICAL FOUNDATIONS OF CONTEMPORARY PSYCHOLOGY S Mr. Krantz
Differing views of human nature presupposed by psychological theory; emphasizes machine, cognitive, irrational, and existential images. Historical, philosophical and psychological analysis; directions and growth of psychological thought. Prerequisite; Junior standing or permission of instructor.

420 DESIGN AND ANALYSIS OF EXPERIMENTS F Ms. Michaels
Experimental design, statistical inference, and quantitative methods, with emphasis on basic statistical concepts and computer applications. Prerequisite: Psychology 220 or permission of instructor.

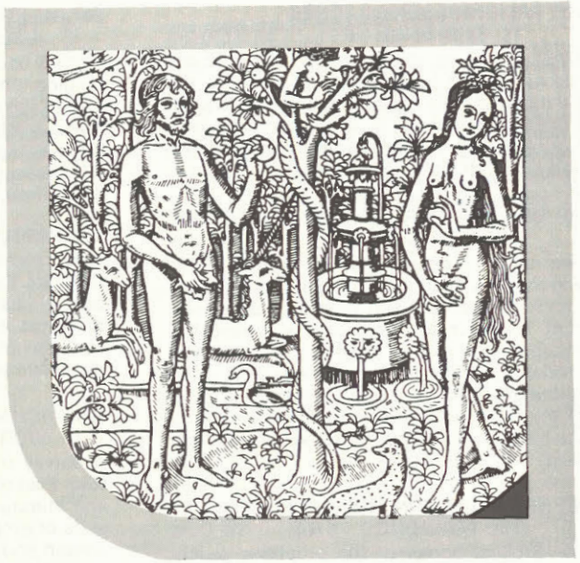
430 COMMUNITY PSYCHOLOGY: SOCIAL SERVICES AND SOCIAL CHANGE S Ms. Riger
Changing communities to enhance mental well-being; developing community-based social services; psychology, social action, and public policies. Prerequisite: Junior or senior standing, or permission of instructor. (Also listed as Local and Regional Studies 430.)

440 CLINICAL PSYCHOLOGY F Mr. Forgus
The course is to help prepare the student to practice clinical psychology by providing intensive instruction and practicum experience in the diagnosis and remediation of individual, child, marriage, family and community problems. This includes psychotherapy. These clinical skills are practiced in the context of theories about the nature of persons, human satisfaction and values. Each student will have practicum experience with clients of his or her choice. Prerequisite: Psychology 330 or 375 or permission of instructor.

450 SEMINAR IN COGNITIVE PSYCHOLOGY S Ms. Michaels
The light side of experimental epistemology. Content will vary. Examination and evaluation of current theory and research in perception, learning; and/or psycholinguistics. Prerequisites: Psychology 310 and 320 or permission of instructor.

475 PROBLEMS OF RESEARCH IN NATURAL SETTINGS S Mr. Krantz
The conceptual and methodological problems of researching the complex "real world" are examined through field trips to marketing, survey and clinical research settings. Class projects and supervised independent research. Prerequisite: Psychology 220.

480 SENIOR SEMINAR
The goal of the seminar is to review the primary sub-disciplines within psychology, in depth and integration. Frequent guest instructors and a variety of resources are utilized. Prerequisite: Junior or Senior psychology major (with preference given to seniors) or permission of instructor.



RELIGION

Professor Dan Cole (Chairperson): Biblical Studies. Near Eastern archaeology. Classical Civilization.
Lecturer Ron Miller: Comparative Religions. Christian and Jewish Studies. Philosophy of Religion.

Courses in the Department of Religion are intended to offer students some understanding of religious thought, art, and literature, to examine the interrelationships between religious expressions and the particular cultural matrix in which they have taken form, and to develop the appropriate tools of analysis for the study of religious literature and history. It is not the purpose of the department to indoctrinate or propagandize, but rather to help equip students to make sound judgments for themselves in an atmosphere of free and serious inquiry, with an academic concern for the application of scholarly methods and the results of modern scholarship.

Some students will be interested in undertaking more extensive work in the department, either because of the perspectives which religion offers for integrating the content of other disciplines or because of professional goals involving seminary or graduate studies in religion. These students are encouraged to consider a major in Humanistic Inquiry which would combine work in the Department of Religion with work in one or more other departments. (It should be noted that leading seminaries and graduate schools of religion recommend a broadly-based undergraduate preparation for their candidates, involving concentration in several areas of the humanities and social sciences as well as some foundation in the field of religion.) Members of the department will be glad to advise students with regard to appropriate patterns of course work to fit their interests or pre-professional needs.

Most courses in the department are open without prerequisite to any interested student.

200 RELIGIOUS APPROACHES TO EXISTENCE F Mr. R. Miller

Inquiry into the nature of religious concern, the needs and interests religion serves, the validity and meaning of religious experience. Books used have included works by Jung, Hesse, Eliade, William James, Huston Smith and Rudolph Otto.

201 BIBLICAL HERITAGE: MYTH, LEGEND AND HISTORY F Mr. Cole

The narrative sections of the Hebrew Bible and the New Testament, with particular attention to the content and themes most significant for later art, literature and religious thought. From the creation account and stories of Israel's patriarchs, kings and heroes to the gospel accounts of Jesus and visions of the final judgment, studied in relation to the history and literature of the ancient Near East.

202 BIBLICAL HERITAGE: PROPHETS AND TEACHINGS S (B) Mr. Cole

The Biblical books of the prophets, teachings of Jesus and letters of Paul, studied in relation to each other and in the light of the Near Eastern cultures and traditions out of which they emerged.

203 JESUS IN LEGEND AND HISTORY

Various portraits of Jesus, from New Testament gospels and non-canonical "gospels" through treatments in the art of Byzantine and later periods, to recent portrayals in literature, film and rock opera. Attention also to contemporary scholarly attempts to reconstruct the historical Jesus. (Not offered in 1983-84.)

204 JERUSALEM, CITY AND SYMBOL S Mr. Cole

A study of Jerusalem, sacred city for Jews, Christians and Moslems: its history from the time of David to the modern era, and its role as a religious and ideological symbol for different groups and for pilgrims with differing perspectives.

Primary readings from Biblical prophets, ancient historians, Crusaders, medieval pilgrims and modern Zionist and Palestinian spokesmen. Reflections of Jerusalem in art, poetry, imaginative literature, and in the impressions of 19th and 20th century travelers as diverse as Herman Melville, Mark Twain and Nikos Kazantzakis.

207 RELIGION IN CONTEMPORARY AMERICA S Mr. R. Miller

A study of current developments in American religion. The class will focus on the discussion of the new Religious Right, civil religion, cults, trends within Judaism, Catholicism after Vatican II, the influence of Eastern religions and the treatment of religion in other disciplines, e. g., psychology and sociology.

208 THEOLOGICAL INVESTIGATIONS

This course revolves around the study of a religious thinker or theological issue. In the past it has focused, for example, on Hans Kung (as a religious thinker) and on philosophical atheism (as a theological issue). (Alternate years; not offered in 1983-84.)

209 ARCHAEOLOGY OF THE BIBLICAL WORLD F Mr. Cole

A survey of archaeological research in the Near East relating to biblical history, religion, and literature. Documentary discoveries, results of excavation at selected sites in Israel, Jordan and related regions. Attention to archaeological field methods and interpretive principles as applied to Near Eastern materials. Slide resources, field trips to museums, practical experience with pottery typological collections. (Also listed as Sociology/Anthopolgy 209.)

216 MYTH AND MAGIC: THE STUDY OF TRIBAL RELIGIONS

Religion in small scale societies and theories of "primitive" religion. Mythological thought and the development of religion; magic, science and religion as solutions to human dilemmas; magical practice and psychotherapy. Do myth and magic exist in modern societies? These and similar topics explored through case studies and from a variety of perspectives. Prerequisite, one introductory course in Sociology/Anthropology or permission of the instructor. (Also listed as Sociology/Anthropology 216. Alternate years. Not offered in 1983-84.)

217 EASTERN SPIRITUAL PATHS

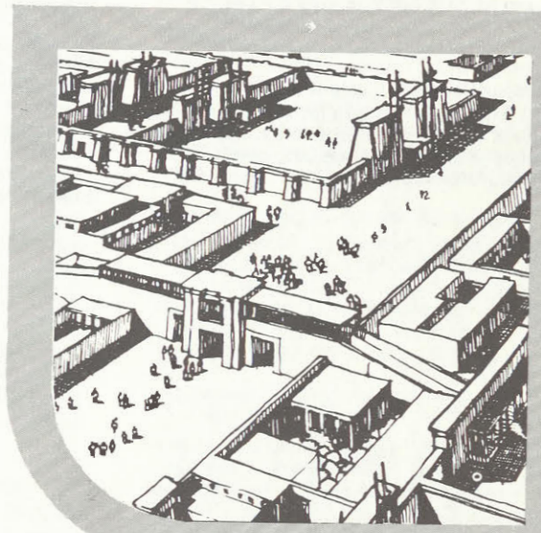
An introduction to the religious traditions of India, Tibet, China and Japan. Hinduism, Buddhism, and Taoism will be studied. Emphasis will be placed both on the historical development of these traditions and on their relevance as contemporary paths of spiritual growth. (Alternate years. Not offered in 1983-84.)

218 RELIGIONS OF THE NEAR EAST F Mr. R. Miller

A study of Judaism, Eastern Christianity and Islam. Emphasis will be placed not only on religious theory but on the impact of these religious communities on art, culture and politics. (Alternate years.)

219 WESTERN CHRISTIANITY S Mr. R. Miller

Discussion will center around primary theological sources representative of the early Latin fathers, the high Middle Ages, the Reformation, and the Christian philosophers/theologians of the nineteenth and twentieth centuries. Authors studied in 1984 will include: Jerome, Augustine, Catherine of Siena, Luther, Kierkegaard and Tillich.



SOCIOLOGY AND ANTHROPOLOGY

Professor Leo F. Van Hoey (Chairperson): Comparative Social Inquiry. Demography, Organization and Transformation of Cultural-Ecological Systems. Sub-Saharan Africa.
Associate Professor Arlene Eskilson: Cross-Cultural Sociology and Social Psychology. Methodology. Variations of Leadership. Educational Settings, Dilemmas in Sex Roles.
*Assistant Professor Richard Handler: Anthropology of Complex Societies. Ethnicity. Kinship. Symbolic Systems. Canada. Japan.
††Assistant Professor Jocelyn Linnekin: Cultural Anthropology. Theory and Method. Applied Social Research. Stratification. Kinship. Primitive Economies. Oceania.
‡Lecturer Daniel A. Segal: Anthropology of Western Science. Medical Systems. Contemporary United States. Caribbean.
‡Lecturer Pauline T. Strong: Social, Cultural, Historical Anthropology. Symbolic Systems. Colonialism, Racism. Native North America. Colonial North America.

Although Sociology and Anthropology arose from two traditions, they are engaged in a common endeavor. Studies in the Department are directed toward the discovery of general principles which help to explain similarities and contrasts in human social behavior. To this end, work in the Department centers upon the comparative analysis of human societies. We emphasize study of both modern and pre-modern societies, including issues of contemporary social policy.

Courses 110 and 170 may serve as introductory courses and prerequisites for most higher level courses. Sociology and Anthropology 110 is designed for freshmen and sophomores. Juniors and seniors are admitted in this course only with prior consent of the instructor, but can enroll in 200-level courses without prerequisite. Majors will complete a minimum of eight courses in the Department, including an introductory course, 210, 310, 320, and 410. A grade of 2.25 in 210 is required for admission to 310. Courses 310 and 320 preferably are taken in the Junior year. Majors planning for graduate studies in Sociology, Anthropology, Demography,

*Leave of Absence, 1983-84.
††Leave of Absence, Fall, 1983.
‡Part-time Teaching, 1983-84.

Business Management, Social Service, or Social Policy will be strongly urged to take courses in Mathematics, Computer Techniques, or Statistics offered by the College.

The Department takes special interest in encouraging senior thesis work leading to the major degree with honors.

110 HUMAN SOCIETIES FS Mr. Segal
Foundations of social inquiry; basic models of human societies; dimensions of social organization; elements of analysis and principles of theory construction in social science; selected domains of investigation and aspects of field work.

114 CHICAGO SOCIOLOGY
Basic methods and content of social research will be explored through reading classic, early and contemporary studies of Chicago, supplemented by on-site visits to the neighborhoods examined in these investigations. Limited to freshman and sophomore students. (Not offered in 1983-84.)

130 HUMAN ORIGINS
Survey of the genetic basis and fossil evidence for human biological evolution and the origins of culture. Inquiry into the significance of variation among living and extinct varieties of Homo Sapiens and his nearest relatives in the animal kingdom. Investigation of the earliest human cultural development to the dawn of history. No prerequisite. (Not offered in 1983-84.)

170 CONTEMPORARY SOCIAL ISSUES S Ms. Linnekin
How do social conditions and trends come to be identified as "problems" and "issues"? What are the implications of defining something (or some group) as a "problem"? From an international and comparative perspective, this course examines a select number of recognized social issues, including colonialism, social inequality — race, racism and poverty, alienation, and technological advances that are altering the occupational structure of our society. The course will also consider some recent critiques of our society, and how social movements have mobilized around these criticisms. No prerequisite.

201 NATIONALISM, ETHNICITY AND CLASS S Staff
Emergence of nationalism in Europe; subsequent development of a world of nation-states; current revival of ethnic identities and separatist movements. Emphasis on the role of particular social strata in the creation of nationalistic movements and the propagation of ethnic ideologies. Selected case studies from the Western and Third Worlds. Prerequisite: Sociology and Anthropology 110 or 170.

202 GREECE IN THE BRONZE AGE S(B*: March)
Prerequisite: S/A 110, or equivalent introductory course. (Cross-listed as Ancient Mediterranean Civilizations 202. See page for description.)

203 GREECE IN THE CLASSICAL-ROMAN AGES S (B*: April)
Prerequisite: S/A 110, or equivalent introductory course. (Cross-listed as Ancient Mediterranean Civilizations 203. See page 50 for description.)

204 GREECE IN THE BYZANTINE-MEDIEVAL AGES S (B*: May)
Prerequisite: S/A 110, or equivalent introductory course. (Cross-listed as Ancient Mediterranean Civilizations 204. See page 50 for description.)

205 YOUTH AND SOCIETY F Mr. Van Hoey
Youth, always partly based in biological maturation, varies in content and definition from culture to culture. The course follows research concerning the place and the role of youth in diverse cultural settings and under changing social conditions, with final emphasis on modern industrial society: the foundation of peer groups, cultural and countercultural movement. Prerequisite: Sociology and Anthropology 110 or 170.

208 UTOPIAN SOCIETIES F Mr. Van Hoey
How might one imagine, or construct, a perfect society? This course examines the utopian vision of thinkers in various historical periods, as well as attempts to realize utopian communities on earth. Special attention will be given to different experiments made with ideal communities in America, and to the "real world" conditions of their success or failure. Prerequisite: Sociology and Anthropology 110 or 170.

*Offered only in Greece.

209 ARCHAEOLOGY OF THE BIBLICAL WORLD S Mr. Cole

A survey of archaeological research in the Near East relating to Biblical history, religion, and literature. Documentary discoveries, results of excavation at selected sites in Palestine and related regions. Attention to archaeological field methods and interpretive principles as applied to Near Eastern materials. Slide resources, field trips to museums, practical experience with pottery typological collections. Prerequisite: Sociology and Anthropology 110 or 170. (Also listed as Religion 209.)

210 PRINCIPLES OF SOCIAL ORGANIZATION F Mr. Van Hoey

Basic dimensions of group structure: division of labor, authority structure, resource technology, ecological setting. Types of groups in different institutional areas. Group structure and scale of organization. Bureaucracy: theories and methods of investigation. Prerequisite: Sociology and Anthropology 110 or 170.

212 AMERICAN INDIAN SOCIETIES F Ms. Strong

This course examines Native American societies both areally and historically. Emphasis is on the traditional Native American world, its disintegration in the face of Euro-American civilization, and current revivals of Amerindian identity and culture. Prerequisite: Sociology and Anthropology 110 or 170.

216 MYTH AND MAGIC: THE STUDY OF TRIBAL RELIGIONS

Religion in small scale societies and theories of "primitive" religion. Mythological thought and the development of religion; magic, science and religion as solutions to human dilemmas; magical practice and psychotherapy. Do myth and magic exist in modern societies? These and similar topics explored through case studies and from a variety of perspectives. Prerequisite: Sociology/Anthropology 110 or 170. (Not offered in 1983-84.)

217 SOCIOLOGY OF WORK S Ms. Eskilson

Exploration of the meaning and organization of work from hunting-and-gathering societies to the post-industrial era. Primary focus on issues in contemporary work organizations, including career entry, the quality of working life, and on-going changes in both the work force and the organization of work. Case studies of the impact of work on people's lives. Prerequisite: Sociology and Anthropology 110 or 170.

220 PEOPLES AND CULTURES OF MODERN AFRICA

Introduction to contemporary society (rural and urban) in Subsaharan Africa, drawing on materials from all major regions of the subcontinent. Particular emphasis: problems of rural development, rural-urban migration, and structural changes of economic, political and social formations in the various new nations. Prerequisite: one introductory course in Sociology and Anthropology or consent of the instructor. (Not offered in 1983-84.)

225 WAR S (A)* Ms. Linnekin

The roots and varieties of human warfare from the perspective of the social sciences. Is warfare merely the expression of man's biological heritage, and therefore inevitable? Is it universal in human societies? Are there any constants discernible in human warfare, or are the causes of war always unique to particular epochs, and particular societies? While addressing questions such as these, the class will examine several theories of war, including the ethological, Marxist, ecological and military. Prerequisite: Sociology and Anthropology 110 or 170.

230 BELIEF SYSTEMS AND SOCIAL PROCESS F Ms. Strong

Belief systems—religions, cosmologies, ideologies, "common sense"—are a basic component of all social systems. This course examines the interrelations of belief systems and social structure; the practices, practitioners and role structures that belief systems develop and justify; the role of belief systems in revolution and social change; and the problems of interpreting exotic belief systems. Case studies and major theoretical perspectives of Durkheim, Marx, Weber and Geertz. Prerequisite: Sociology and Anthropology 110 or 170.

235 CULTURE AND PERSONALITY S (B)* Ms. Linnekin

An examination of the individual's relationship to society: to what extent does society determine individual behavior? Does culture — through childrearing — standardize personality so that we can identify a Russian, American, or Japanese national character? Emphasis on the relationship of psychoanalysis, with its focus on early childhood development, to the social sciences. The course will explore whether psychiatric methods can contribute to the study of society, or whether the two should be regarded as distinct levels of analysis. Prerequisite: Sociology and Anthropology 110 or 170.

*7½ week course.

240 DEVIANCE F Mr. Segal

How society defines deviants — its outcasts and outsiders — and how the people so defined respond to this categorization; the nature of "normal" and "abnormal", legal and illegal. Do these categories have absolute moral meaning, or do they always depend on the particular society and era in which they are defined? Topics to be addressed include stigma and stereotyping, cross-cultural variations in sex roles, the status of the inmate, deviance as blocked opportunity, and the political mobilization of outsiders. Prerequisite: Sociology and Anthropology 110 or 170.

250 ECOLOGY: ENVIRONMENT AND CULTURE

The ecological problem from a **social** point of view: systemic relations between the organization of a given society, the size and distribution of population, the state of the technology, the specific environment in which the society evolves. Comparative studies form the basis for the evaluation of current theory. Prerequisite: one introductory Sociology & Anthropology course. (Not offered in 1983-84.)

260 SOCIAL PSYCHOLOGY F Ms. Strong

The relationship between symbolic activity (language) and social behavior; socialization and the development of self; conformity and deviance in human behavior; dynamic and structural aspects of interaction in small human groups. Prerequisite: Sociology and Anthropology 110 or 170.

270 HISTORY OF SOCIAL THOUGHT

The works of leading sociological writers whose ideas have profoundly influenced concepts of social life in the modern world. Special attention to Locke, Marx, Weber, Durkheim and Parsons. Discussion of how their theories square with the facts and the power of these theories as instruments of historical change in the world today. Prerequisite: one introductory Sociology and Anthropology course. (Not offered in 1983-84.)

271 TECHNOLOGY AND HUMAN VALUES F Mr. Segal

Conditions and processes of industrialization in the Western world; problems related to economic development in underdeveloped nations; impact of industry on life-ways of modern man. Prerequisite: Sociology and Anthropology 110 or 170. (In 1983-84 this course may be substituted for Computer Studies 200. See department chairperson for details.)

280 SOCIOLOGY OF SEX ROLES S Ms. Eskilson

Theories concerning the acquisition of sex-typed behavior; social and biological influences on the roles of males and females in the 20th century United States as well as in other cultures. Feminist and anti-feminist perspectives. Images of future lifestyles and implications for social policy. Prerequisite: Sociology and Anthropology 110 or 170.

301 SOCIAL SERVICE AND SOCIAL POLICY

Overview of the origins and present condition of social services in the U.S. Special emphasis on problems in the field and social policy as it affects social services. Survey of subfields (public welfare, mental health, correctional services, etc.) (Not offered in 1983-84.)

310 SOCIAL RESEARCH: DESIGN F Ms. Eskilson

Ethical (moral) and political (power) considerations regarding social research; logical links between theoretical perspectives, problem selection, and choice of empirical data; qualitative and quantitative aspects of research; and major forms of design; the research proposal. Recommended for sophomore or junior year. Prerequisite: 2.25 grade point average in Sociology and Anthopology 210; one introductory Sociology and Anthropology 110 or 170. (Also listed as Local & Regional 310.)

320 SOCIAL RESEARCH: TECHNIQUES S Ms. Eskilson

Application of research skills in carrying out an actual research project. Data analysis techniques including multivariate analysis and social science computer skills using the COSAP program. Prerequisite: Sociology and Anthropology 310.

330 URBANIZATION AND SOCIAL DEVELOPMENT S Mr. Van Hoey

Levels and rates of urban concentration in function of expanding scale of organization of society; relations between techno-economic system, demographic movement and differentiation of local and regional settlement patterns. Definitions of urban problems and models of planning policy. Prerequisite: Sociology and Anthropology 110 or 170. (Cross-listed as Local & Regional 330.)

340 DEMOGRAPHY: POPULATION DYNAMICS

Population size, socio-technical base, and environment; measurement of demographic change (fertility, mortality, migration) and demographic structure (age, sex, education, dependency, life expectancy). Determinants of demographic changes: economy, education, family planning, birth controls. Theories, models, and policies. (Not offered in 1983-84.)

350 LANGUAGE AND CULTURE

The relationship of language and culture has been long a crucial issue in the study of human societies and human thought. To what degree does language serve as a base for culture and for thought itself? How does culture in turn influence the structure of languages? How is language use related to social context? This course considers these questions through relevant works in anthropology and sociolinquistics. Prerequisite: one introductory course in S/A, or in Linguistics, and Junior or Senior standing, or consent of instructor. (Cross-listed as Linguistics 350.) (Not offered in 1983-84.)

370 SOCIAL STRATIFICATION F Ms. Linnekin

A comparative study of various forms of social inequality from non-human rank and pecking orders to complex social stratifications. Analysis of various dimensions of equality (e.g., sex, age, education, competence, wealth, power) in different forms of social organization from small intimate groups to large scale social systems. Theoretical approaches concerning the emergence and persistence of hierarchies. Prerequisite: Sociology and Anthropology 110, or consent of the instructor. (Not offered in 1983-84.)

410 SOCIAL EXPLANATION AND THEORY S Mr. Van Hoey

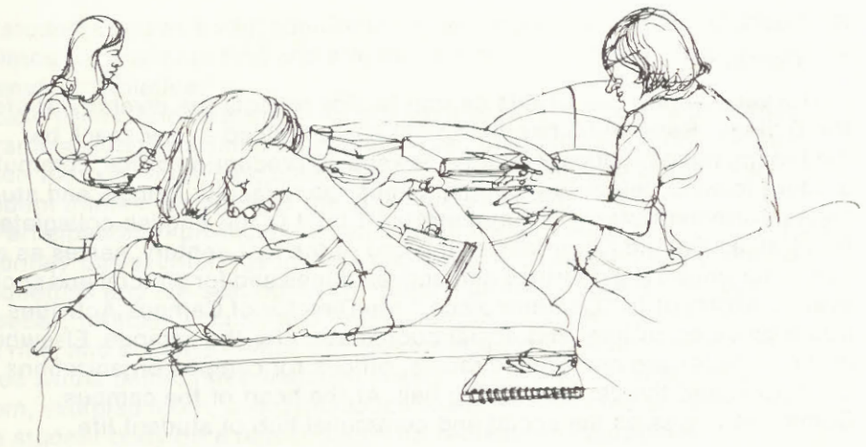
Exposition, comparison, and appraisal of major schools of thought in the history of social inquiry; heuristic orientations, contexts of explanation, and operational problems of systematic theory construction in social science. Prerequisites: Sociology and Anthropology 310.

451 INTERNSHIP

453 TUTORIAL

454 RESEARCH, INDEPENDENT STUDY

490 SENIOR THESIS



Student Life

Students in the Campus Community

The small campus environment is an integral part of the liberal arts college tradition. Students at Lake Forest in the early eighties reflect this special tradition both in the range of their activities and also in their participation in campus governance. Students are the primary catalysts at Lake Forest for the promotion and production of campus weekends, special social functions, films, concerts, lectures, and special service activities. The Director of Campus Activities works with student groups in planning and arranging for social and cultural affairs and in maintaining an all-campus calendar of events. Students participate on all academic committees, in the judicial system, and on the Board of Trustees and its relevant committees.

The design of the campus and its buildings encourages community life. In Commons students come together for meals, recreation, and special events — often to be joined by faculty. The residence halls provide students with opportunities to encounter others from different backgrounds and locales while developing individual life-styles. And as in all communities special services are needed — in this one these services have been designed to reflect Lake Forest's particular opportunities and needs. Thus, academic and personal guidance, health care, and cultural offerings are uniquely structured for Lake Forest students.

Student Life

1. Commons

The varied character of this central facility reflects the diversity of life at the College. Renovation begun in 1980 has produced a new snack bar, mail room, radio broadcast facility, newspaper production office, commuter student lockers, television lounge, games room, faculty lounge, and student government office. "Commonplace," built in the English collegiate tradition as Durand Commons at the end of the last century, serves as a center for informal gatherings and conversations and for cultural and social events. Adjacent to "Commonplace," the Director of Campus Activities office provides cultural and social coordination for the campus. Elsewhere in the complex are conference rooms, offices for campus organizations, a bookstore, and the campus dining hall. At the heart of the campus, Commons serves as the social and communal hub of student life.

2. Residential Life

At Lake Forest the residential program is a complement to learning in other segments of the campus environment. Ten residence halls and residential clusters provide a range of living environments. The residence halls contain their own lounges, meeting rooms, study and special interest areas intended to encourage both individual and interpersonal pursuits.

Freshmen may live with upperclassmen or other freshmen in single-sex or coed groupings.

Residence hall student staff are selected in order to foster an environment which enhances learning, promotes personal growth and responsibility, and assists students in adjusting to the Lake Forest College community.

Upperclassmen may live off-campus upon approval from the Dean of Students Office, although housing in the area is limited. In addition, some upperclassmen are affiliated with housing units based on a common interest or purpose.

3. Athletics

Lake Forest College offers an athletic program designed to serve student needs and interests on four levels: varsity intercollegiate athletics, intramurals, physical education, and recreational activities.

The intercollegiate program for men and women includes varsity competition in basketball, football, field hockey, ice hockey, soccer, handball, volleyball, swimming, softball and tennis. Intercollegiate competition is provided in rugby and racquetball on a club basis. The College is a member of the twelve-team Midwest Collegiate Athletic Conference which includes institutions such as Carleton, Grinnell, Lawrence and Beloit. Intercollegiate competition is viewed as a valuable form of self-expression

for students and as a vital contributor to community spirit. Lake Forest athletes are students first and athletes second. No special financial aid is offered for athletics.

Lake Forest encourages all its students to participate in a diversified intramural program which includes soccer, racquetball, tennis, softball, touch football, volleyball, basketball, ice hockey, and other activities. Student interest determines the activities provided.

Participation in physical education courses at Lake Forest is on a purely voluntary basis. Offerings include such activities as tennis, swimming, racquetball and ice skating. Lake Forest's athletic facilities include baseball, football, soccer, and intramural fields; tennis courts; an indoor ice rink; and a sports center which houses a gymnasium, swimming pool, three sauna baths, three handball courts, two squash courts, wrestling room, exercise room, and gymnastics room. All facilities are available to the student body on a regular basis for recreational purposes.

4. Music

In addition to a variety of courses in applied music, theory, and music history, students may participate in the College Choir and Madrigal Singers. Qualified musicians may audition for the Lake Forest Symphony Orchestra. Also, the opportunity exists for students interested in instrumental music to participate in small, informal ensembles. Students and faculty of the music department give recitals during the year and additional concerts are offered by professional musicians.

5. Theatre — The Garrick Players

Lake Forest College students participate in an active campus theatre program, highlighted by a flexible theatre and professional direction. The recently remodeled Allan Carr Theatre in Hixon Hall is an intimate and unique showcase for performing arts. This fully equipped facility adapts to proscenium, arena, thrust and experimental staging types, and is a center for campus theatre activity.

A wide variety of classic, contemporary and original productions — open to all students — offers experience in all aspects of theatre; acting, directing, playwriting, designing, costuming, lighting, stagecraft and publicity. The season is managed and staffed by the Garrick Players, an extra-curricular student organization with a campus and community history of excellence reaching back to the last century. With sizable participation in at least two productions, a student achieves Garrick voting membership. The group elects an Executive Board in the spring to serve as a management team for the following year, working in cooperation with the faculty director.

The theatre program emphasizes practical experience under professional instruction and direction. Guest artists from the Chicago theatre

community have conducted workshops and are employed as occassional designers, performers, etc. Although major productions are directed by professionals, including an on-campus Director of Theatre, the program offers students considerable opportunity in initiating and directing their own projects, including directing studio productions and producing their own original plays.

Although a major is not offered, creative project credit is available for in-depth, specialized study and practice, in coordination with Garrick Players productions.* Students also enroll in theatre and dance courses at neighboring Barat College through cross-registration and participate in Barat's productions. In addition, Lake Forest College sponsors internship opportunities with various Chicago theatres and offers occasional on-campus bookings of professional groups as well as excursions into the profuse and exciting Chicago theatre scene.

Recent Garrick Players productions have included *The Glass Menagerie, As You Like It, Waiting for Godot, The Skin of Our Teeth, Six Characters in Search of an Author, R. U. R., Black Comedy, You Can't Take It With You, Uncommon Women and Others,* in addition to many original student plays.

6. Communications

THE STENTOR, the college newspaper, is the weekly journal of the students. The Campus Activities Office publishes a weekly CAMPUS CAPSULE which includes information on campus events and official College announcements. THE FORESTER, the college yearbook, is published annually. The fine arts magazine, TUSITALA, includes writing, drawing, and photography by students and, occasionally, by members of the faculty. COLLAGES, the foreign language literary magazine, includes original prose and poetry in French, Spanish, and German by Lake Forest College students and faculty. Several well-equipped college darkrooms are used both by photographers working on student and college publications and by students who are just becoming acquainted with the art practice of photography.

The campus FM radio station, WMXM, broadcasting at 300 watts, is operated by students and has a daily broadcasting schedule devoted to music, sports, campus news, and special programs.

Students interested in any phase of journalistic writing, editing, or reporting, or in photography, broadcasting, or art are encouraged to participate in these enterprises.

7. Community Service

The College offers several opportunities for community service. The Social Services Organization provides information and activities related to courses, research, and internships in the field. The students serve as

*Also see "Theatre", page 41 for course descriptions and further information.

volunteers in various organizations such as the Grove School and Omni-House.

At the Grove School the students work with multiple-handicapped children, teaching them basic skills. In the Omni-House program students take part in a juvenile delinquency prevention program by acting as advocates for problem children.

In working with these children and young people, students learn patience and sensitivity toward people of different abilities and diverse cultural and economic backgrounds. The members of the Social Services Organization also plan activities which are open to the entire campus. Examples include parties at homes for the elderly and field trips to various social agencies.

8. Religious Activities

Through the Interfaith Center, the College continues its traditional relationship with the Presbyterian Church in a context of religious plurality and dialogue. A student steering committee suggests and implements programs to meet current campus needs. Activities sponsored include: denominational services on Sunday evenings, weekly New Testament Study and Torah Study, daily meditations. The Interfaith Center also heads two major outreach programs: a yearly Fast for World Harvest project coordinated through Oxfam; a Peace and Justice Initiative which meets monthly to study and act on issues of social responsibility. The faculty coordinator, Professor Ron Miller, serves as liaison with the Dean of Students Office and with the student steering committee. He also works with local religious leaders who minister to various denominations of Christian and Jewish students.

9. Specialized Interests

A variety of specialized groups are active on campus. Several disciplines provide cultural and social programming for their students through honorary societies. An active Outing Club provides many students with opportunities for skiing, back-packing, camping, and rock climbing on weekend trips.

10. Campus Events

The College sponsors a variety of cultural events on campus and also encourages students to take advantage of cultural opportunities in Chicago. At the Director of Campus Activities office in Commons, students may obtain information about music, art, and theatre in the city and suburbs. The office also offers a series of bus trips to a variety of major Chicago events ranging from Broadway musicals to national dance programs and professional sports. The Sonnenschein Gallery in Durand Institute is another continuing art resource.

A Friends of the Arts group solicits from community residents concert and other tickets which would not otherwise be available. As a result, many Lake Forest students are able to attend Chicago Symphony concerts and other events free of charge.

The Director of Campus Activities office is the planning center for on-campus events, lectures, exhibits, recitals, and other special events.

In addition, each year, through the generosity of the Sonnenschein Endowment Fund an Artist-In-Residence is invited to the campus for an extended period of time to give poetry readings, to deliver public lectures, and to meet informally with students and faculty. Speakers representing varied interests and disciplines come to the campus throughout the year as guests of departments, as part of the weekly Convocation series, or for short visits combining lectures with other meetings with students.

Developmental Services

A comprehensive guidance program recognizes the need for supportive counseling both in the regular course of a college education and also in the case of special, individual matters of concern. Thus, counseling takes place in a variety of settings, with more or less formality, and at the several stages of progress through a college career.

1. Residence Hall Staff

The Office of the Dean of Students selects several upperclass men and women to serve as advisors in the residence halls. In each residence hall student residence staff — led by a Head Resident and supported by Resident Assistants — provide counseling, coordinate social programs, enforce residence hall regulations, and in general, strive to create an environment responsive to individual needs and conducive to study and growth.

2. Career Planning and Placement

The Career Planning and Placement office assists all students — at any point during the college years — in the development of their career objectives. Individual counseling is available to help students with employment, graduate school or summer plans. Workshops are provided on an ongoing basis to strengthen interviewing skills and job hunting strategies, and career conferences are arranged both on and off campus so that students will have the opportunity to speak with professionals about their work. In addition, corporate recruiters and graduate school admissions officers visit the campus during the year to interview interested students. The CP & P Resource Center provides all students with current job listings, information on employers, internships, and graduate programs, as well as other reference materials. These services are also available to LFC alumni.

3. Counseling Center

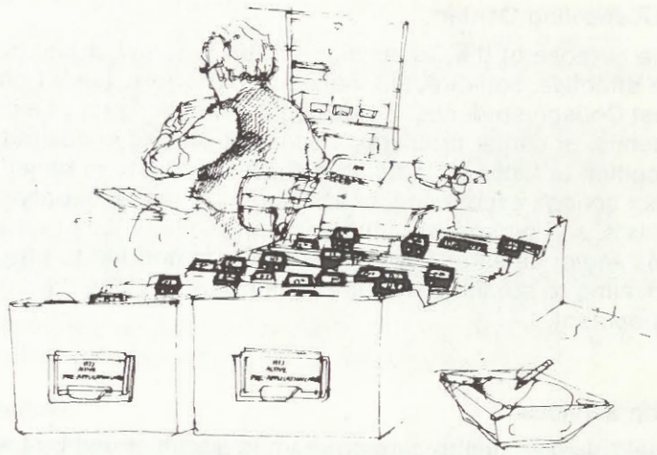
The purpose of the Counseling Center is to aid students to become more effective, self-directed individuals. It offers, free of charge to all Lake Forest College students, professional counseling on personal, social, academic, or career problems. Service is offered in dealing with emotional difficulties or factors hindering a student's ability to benefit fully from his/her college experience. In addition, it helps in identifying aptitudes, interests, and personality traits affecting the choice of educational programs and/or careers. The Office is also committed to offering group counseling to students who are seeking to enhance their own growth and development.

Health Services

The College's health care program is administered by Lake Forest Hospital, under the supervision of the Dean of Students. Physicians' services are provided by the Medical Director on campus and, when the Health Center is closed, by an Emergency Room Group which consists of fully-licensed doctors offering around-the-clock coverage at the Lake Forest Hospital, 1½ miles west of the campus. These physicians treat students in the hospital's emergency room following referral from the Nurse, Residence Staff, or Security. The Nurse is available at the Health Center in the campus Sports Center from 8:30 a.m. to 4:30 p.m., Monday through Friday, for a wide range of para-professional services.

The basic fee covers the cost of medical services at the Health Service including supplies, dressings and over-the-counter medications, but does not include laboratory or X-ray fees. When a student is referred to Lake Forest Hospital the basic fee may not cover medical services rendered. The College requires that students participate in its group medical plan which is designed to help defray in-patient hospital charges. This policy covers up to $150 per day of the standard hospital room rate and related hospital and physician charges at nearby hospitals. Thus, students and their parents are urged to review the coverage offered, as listed in a brochure detailing benefits issued from the Business Office and routinely sent to new students before enrollment. Family insurance planning may indicate supplementary or alternative coverage. In cases where an existing policy duplicates the College's policy a waiver of this requirement may be assigned.

(See Health Clinic and Hospital Fees, page 149.)



Admissions, Financial Aid College Expenses

ADMISSIONS

During its selection process the Admissions Staff at the College is primarily concerned with knowing the individual candidate. The criteria for selection include assessment of a student's program of study, academic achievement, aptitude, intellectual curiosity, qualities of character and personality, and activities both within and out of school. Lake Forest College unequivocally selects its students without regard to social background, religious affiliation, race, national origin, sex, handicap, or financial position. And this policy is manifested by the diverse nature of the student community — a diversity so necessary to the educational vitality of a liberal arts college.

Admission Procedure

Candidates for admission may obtain the required application forms by writing the Office of Admissions, Lake Forest College, Lake Forest, Illinois 60045.

Students are urged to begin the application procedure early in their final year of secondary school. Non-traditional students are encouraged to consult with the Admissions Office. There is no formal closing deadline for receipt of the application. Admissions decisions are rendered in mid to

late March for all freshman candidates whose applications are complete as of March 1. For applications received after March 1, decisions will be announced as the file becomes complete.

Students who also are candidates for financial aid should make certain to file the Lake Forest Application for Financial Assistance.

Lake Forest College subscribes to the Candidates Reply Date Agreement and all regular candidates for admission (i.e., those not applying under the Early Decision Plan) will have until May 1 to notify the College of their decision to accept or decline the College's offer of admission.

Secondary School Requirements

There are no formal course requirements for entrance to Lake Forest. However, it is strongly recommended that candidates present four years of English, at least three years of mathematics, three years of one foreign language, and one or two years of work in both history and the natural sciences. All applicants are encouraged to take as much accelerated course work as possible, including formal Advanced Placement offerings.

Examinations

All candidates are required to present the results of the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board (CEEB) or of the American College Testing Program (ACT) test battery. These tests are used by Lake Forest College for purposes of admission, guidance, and placement. It is the applicant's responsibility to arrange with the College Entrance Examination Board or the American College Testing Program to have the test results forwarded to the College. These tests may be completed in the candidate's junior or senior year of secondary school.

The Admissions Staff may require a candidate to submit the results of one or more subject achievement tests of the CEEB where such scores are judged to be beneficial to a student's candidacy.

Personal Interview

Although an interview is not required, the Admissions Staff welcomes and encourages visits to the campus by prospective candidates and their parents. An appointment arranged in advance is appreciated. The Admissions Office is open for interviews and tours from 9 a.m. to 4:30 p.m. Monday through Friday during the calendar year, and Saturdays, 9 to 11:30 a.m. during the academic year. Telephone (312) 234-3100.

Early Decision

The purpose of the Early Decision Program is to allow a student who has determined that Lake Forest is his or her first choice to receive early notification of the admissions decision. Candidates requesting an early decision are permitted to apply to other colleges, but implicit in such a

request is the commitment to attend Lake Forest College if admitted. Upon notification of admission under this plan, candidates will be expected to withdraw all other college applications and to post a non-refundable tuition deposit within two weeks of notification of admission.

The Admissions staff will review the applications of Early Decision candidates as soon as all required materials have reached the Admissions Office. Candidates normally will be notified of the decision two or three weeks after completion of their application.

Early Decision candidates who will require financial assistance should make certain that the Lake Forest Application for Financial Assistance (LFAFA) is filed early in the candidate's final year of secondary school in order that both admissions and financial aid decisions may be rendered simultaneously.

Deferred Admission

Students who may wish to defer their enrollment in College should complete the application procedure during the final year in secondary school. Questions and specific requests for deferred admission should be addressed to the Dean of Admissions.

Admission by Transfer

Students enrolled at other colleges and universities and desiring admission to Lake Forest College are eligible to apply for admission. Generally, a transfer applicant should have achieved an overall college average of at least "C" or its equivalent and be eligible to return to his or her previous institution. If a candidate is not eligible to return to the former college or university, at least six months must have elapsed before consideration will be given.

Graduates of accredited junior colleges and recipients of the AA degree in an applicable field, if admitted to Lake Forest College, will be granted full junior standing. (The only course evaluation to be considered will be that of determining those courses applicable to the student's declared major field.)

When a transfer student is admitted to the College from a four-year college or university, the maximum number of credit hours accepted is 76 semester hours (or 20 LFC course credits). The maximum number of credit hours accepted from a junior college is 60 semester hours (or 16 LFC course credits). All of the courses in an applicable field, up to the aforementioned limits, he or she has taken and passed toward fulfillment of the Bachelor of Arts degree at the former institution, or the Associate of Arts degree in the case of the junior college, will be accepted toward fulfillment of the B.A. degree at Lake Forest College provided a "C" average or better has been achieved at the previous institution.

Transfer students are admitted at the beginning of each semester. For further details concerning the College's credit and residence requirement,

see the section Requirements for Graduation.

All candidates for admission on a transfer basis (anyone who has been enrolled in another college or university) are required to submit the following credentials:

1) Application for admission
2) Secondary school transcript
3) Transcripts of all college work completed through the most recent term
4) A letter of recommendation from the academic dean or a teacher at the most recent college attended is requested.

FINANCIAL AID

Financial aid at Lake Forest College is not awarded as a "prize" but is granted to men and women who are unable to provide the full cost of a college eduaction through their own reasonable efforts or though those of their family. Lake Forest is committed to the philosophy that, insofar as resources are available, no student who is otherwise qualified should be prevented from attending because of financial limitations.

An application for financial aid does not hinder a students's application for admission; indeed, the two applications are considered separately. But a student is notified of the result of both the application for admission and and for financial aid simultaneously.

The College is also committed to providing prospective students and their parents with **quick** access to **accurate** information concerning the amount of aid for which a student may qualify. To this end, the College has designed an institutional aid application, the Lake Forest Application for Financial Assistance. This form may be filed with the College **at any time** during the student's final year of secondary school. Students filling the LFAFA prior to February 1, 1984, will be notified of their estimated financial need within two weeks of the College's receipt of the form. Obviously, no aid funds will be committed to a student until he or she has applied for and been granted admission. It is the College's hope, however, that the early and accurate guidance provided by the Lake Forest Application for Financial Assistance will be of help to those families who are concerned about meeting the costs of a Lake Forest College education.

Financial aid awards at Lake Forest are made for a one-year period. But if the student continues to evidence need and maintains an academic record commensurate with ability, the financial aid award will be renewed each year. Awards are always based on need.

Computation of Financial Need

In computing a student's financial need, the College calculates the total resources of the family (parents and student) that can be used as a contribution toward college expenses. Most calculations are based on several sources of funds:

● EXPECTATION FROM PARENTS: The College assumes that each family will provide the maximum amount possible from income, savings and other assets. In addition to the family income and assets, the College takes into account the number of dependents, number of children in college, extraordinary medical expenses, certain types of debts, and unusual situations.

● EXPECTATIONS FROM THE APPLICANT: The College believes that recipients of financial aid should contribute toward the cost of their own education. In calculating a student's need an expectation from summer earnings is always made. For the 1983-84 academic year this will be $750 for freshmen and $1,000 for all other students.

● OUTSIDE FUNDS: Candidates for financial assistance are strongly encouraged to apply for national, state, and local scholarships for which they may be eligible and which may be used at the college of their choice — National Merit Scholarships, National Presbyterian College Scholarships, and other scholarships offered by local foundations, clubs, or business organizations. Residents of Connecticut, Illinois, Pennsylvania, Rhode Island and Vermont are required to file for these states scholarships, as awards from these programs can be used at Lake Forest College.

The ability of a student to secure outside assistance almost always works to his or her benefit and never to his or her disadvantage. Even though the gift dollars from Lake Forest College may be reduced (all awards must remain within the computed need figure), the total amount of gift funds available to the student when all sources of gift aid are added together will be equal to or greater than the gift aid provided by Lake Forest College alone.

Gift Awards

Most students who qualify for financial aid can expect much of their need to be met by grants. For the 1983-84 academic year, the Board of Trustees authorized a total of $1,822,500 to be awarded in the form of Lake Forest College gift dollars.

PELL Grant (Formerly BEOG)

Under this provision of The Higher Education Act of 1972, each student would be "entitled" to $1,800 a year in student aid, minus his or her "expected family contribution," which would be determined by, among other things, the "effective family income, the number of dependents in the family and the number of dependents attending a college or university, the amounts of the assets of the student and/or the family, and unusual expenses."

Supplemental Educational Opportunity Grants (SEOG)

This program if funds continue to be appropriated by Congress is designed to provide grant assistance to students of exceptional financial need who, without such assistance and because they lack personal financial means, would be unable to enter or remain in an institution of higher education.

The maximum amount of a single-year grant is $2,000. The Secretary of Education will prescribe to institutions of higher education the basic criteria for identifying eligible recipients.

Students do not need to make direct application for SEOG consideration. The Director of Financial Aid of Lake Forest College will notify eligible recipients when grant funds have been appropriated and the Commissioner's guidelines received.

National Direct Student Loans

In 1958 Congress passed the National Defense Education Act which provides loan funds for needy undergraduate students. While the loan program will vary slightly from year to year, Lake Forest College does apply and has received funds which allow student participation in the National Direct Student Loan Program. Students receiving financial assistance and who have additional questions regarding this program should contact the Director of Financial Aid.

Concern by Lake Forest College, the Department of Education and members of Congress regarding the national default rate on these loans has led the College to adopt the following policy:

> "A student who is in default on the payment of his/her National Direct Student Loan may be subject to have services offered by the College terminated."

Such services include, among other things, the mailing of transcripts, reporting of attendance, processing of recommendations, etc.

Guaranteed Student Loans

A state guaranteed loan program has been available in all states. Participating banks and other financial institutions provide loans to full-time students who meet the criteria established by the federal government.

Further information may be obtained from the participating bank or the Office of Financial Aid at the College.

Part-Time Employment

In most cases, part-time employment on the campus or jobs established through the Federal Government's Work-Study Program range in remunerative value from $900 to $1,700. The majority of student jobs are in the dining hall, library, and various administrative offices. These jobs

normally involve six to twelve hours per week. Students assigned campus employment are expected to work the entire term including examination periods.

In addition to on-campus employment, opportunities exist for employment in the community. Since Lake Forest is a residential and academic town (rather than commercial), off-campus employment generally involves jobs in local restaurants, tutoring, secretarial duties, babysitting, general housework, gardening, and others.

COLLEGE EXPENSES

Students enrolling at the College for the fall semester are expected to continue through the academic year. The programs of the College are planned and budgeted accordingly.

Senior students who require fewer than three credits in a billing period will be charged only for courses taken.

The College charges a comprehensive tuition per semester for all degree candidates registered for any load from 3 to 4½ course credits. Payment due dates and amounts are detailed on the following pages.

Course Overload Charge

Students who are registered for a course load in excess of 4½ credits in a given semester will be charged for the additional half or full credits: e.g., a load of 5 credits will be charged at an additional half-credit of tuition. Withdrawal, or dropping a course, is subject to regular refund policies.

Special Charges

When available a room used by double occupancy may be requested as a single for an additional charge of $350 per year. This is known as a differential single. A differential triple will require an additional charge of $175 per year per student.

Courses for which one course credit is earned upon completion of a year's work (i.e., choir, applied music, writing tutorial) are billed in the second semester of study, during which the credit is to be received, in accordance with the above statement, College Expenses.

Additional charges for music lessons, which are billed during the first semester of study, will be subtracted from the second semester billing if the student registers for a course credit for this study.

Course work at Barat College for which a full-time student registers will be considered as part of the total Lake Forest College course load and will be billed in accordance with the above statement, College Expenses. Although credit at Barat is recorded in semester hours, the billing will be based on the Lake Forest College course credit or fraction thereof which is applicable to the student's degree. (See Cooperation with Barat College, page 24.)

Reinstatement

A $25 reinstatement fee will be charged at time of re-registration should a student's registration have been cancelled by the College as a result of non-payment of bill.

Program Leave Reimbursement

Students enrolling in "Program Leave" courses at other institutions will be required to pay the full comprehensive Lake Forest College fee at the regular due date. The other institution may require payment as well. Upon acceptance of the credit by Lake Forest College, the student's account will be reimbursed by the College for actual tuition charged by the other institution, not to exceed the comparable course cost at Lake Forest.

Health Clinic and Hospitalization Fees

The $50 health clinic fee, which does not cover hospitalization insurance, is mandatory for all students.

Hospitalization coverage is required of all students residing in the College's residence halls and is optional for non-resident students. The cost is $87, and is subject to increase. A waiver form for this coverage may be obtained from the Business Office if family coverage is carried. Waivers must be approved by the Business Office by October 1, 1983, for full cancellation and by February 1, 1984, for partial cancellation.

Fines and Damage

Students will be assessed for library fines, for on-campus traffic violations, and for damage they may cause to College property.

Schedule of Payments For the 1983-84 Academic Year

1st Semester		Resident	Non-Resident
Tuition		$ 3790.00	$3790.00
Activity Fee		80.00	80.00
Room		537.50	
Board		617.50	
Clinic Fee		50.00	50.00
Hospitalization Insurance		87.00	Optional
Key Deposit		5.00	
	TOTAL:	$ 5167.00	$3920.00
1983-84 deposit		$ 100.00	$ 100.00
By August 22, 1983		5067.00	3820.00
	TOTAL:	$ 5167.00	$3920.00
2nd. Semester			
Tuition		$ 3790.00	$3790.00
Room		537.50	
Board		617.50	
By January 2, 1984	TOTAL:	$ 4945.00	$3790.00
TOTAL CHARGES:		$10,112.00	$7710.00

The Board of Trustees has specified that **all** tuitions and fees are due on the dates indicated above. Any other arrangements must be made prior to such dates. The College reserves the right to evict students from residence halls and the dining hall, and to cancel registration unless the account is cleared. Past due accounts are subject to charges to one-half of one percent per month on the upaid balance. Diplomas and transcripts are withheld from those who have not met their financial obligations to the College.

Three basic payment procedures are used:

- Standard Plan-Full payment by the dates shown above.
- Lake Forest College Prepayment Plan.
- Scheduled payments to an outside plan received by the dates shown above.

Billing Procedures For Partial Academic Year

Students enrolling January 2, 1984:		
Tuition	$3790.00	$3790.00
Activity Fee	40.00	40.00
Room	537.50	
Board	617.50	
Clinic Fee	25.00	25.00
Hospitalization Insurance	65.00	Optional
Key Deposit	5.00	
By January 2, 1984	$5080.00	$3855.00

Refunds

A normal course load for a full-time student is from 3 to 4½ credits per semester. Only in exceptional circumstances and with written approval of the Dean of Faculty's Office, may reductions be made below the 3-course level and refunds granted. Such refunds will be computed in accordance with the policy of refunds detailed under "Withdrawal From the College", below. The same refund schedule as in the latter policy will also apply in cases where a tuition refund is authorized for a reduction from an overload to a normal load. See page 29 for definition of course overload. For tuition costs for overloads, see pages 148 and 152.

For course changes which do not fall within the normal full-time student range of 3-4½ course credits, please see information sheet regarding additional charges and/or refunds in the Business Office.

Withdrawal From The College

Withdrawal from the College is handled through the Office of the Dean of Student Affairs. The official date of withdrawal is determined by that Office. Students who participate in pre-registration, but not in room-draw, and subsequently withdraw before July 15, are entitled to a refund of the $100 deposit. There is no refund for those participating in room draw. Refunds for withdrawal from the College are recorded according to the following schedule:

1st Billing Period	2nd Billing Period	AMOUNT REFUNDED Resident	Non-Resident
On or before September 9, 1983	On or before January 27, 1984	$4300.00	$3300.00
On or before September 23, 1983	On or before February 10, 1984	3650.00	2770.00
On or before October 5, 1983	On or before February 22, 1984	2920.00	2215.00
On or before October 14, 1983	On or before March 2, 1984	1440.00	1090.00
After October 14, 1983	After March 2, 1984	-0-	-0-

Dismissal, Suspension, Expulsion from the College subject to the same refund schedule as Withdrawal Schedule detailed above.

Other Expenses

Part-Time Students:	
Per course	$947.50
Auditing Students:	
Per course (when the student is not enrolled full-time)	235.00
Special Charges:	
Application Fee	$ 20.00
Course Overload for credit (including credit by exam)*	
½ course credit	473.75
1 course credit	947.50
Music Fees (not for credit) ..... semester	130.00
Late Registration Fee	5.00
Change in registration after classes begin	3.00
Reinstatement	25.00
Room Differential Privileges	
Single	350.00
Triple	175.00

*No special fee will be charged if credit by examination is established during the fall term of the freshman year by a student in a subject that is not covered by advanced placement tests.

Directory

ADMINISTRATIVE OFFICES AND OFFICIALS

OFFICE OF THE PRESIDENT

Eugene Hotchkiss, President
Gordon E. White, Assistant to the President and Director of Financial Aid

OFFICE OF ACADEMIC AFFAIRS

Bailey L. Donnally, Provost and Dean of the Faculty
George L. Speros, Associate Dean of the Faculty
Arthur Zilversmit, Director, MLS Program and Continuing Education
Carol Gayle Moodie, Associate Director, MLS Program and Continuing Education

OFFICE OF DEVELOPMENT

Gene Brandt, Vice President for Development
Judith M. Gooch, Director of Development
Cathryn O. Stemen, Director of Information Services and Sports Information
Suzanne H. Conolly, Director of Alumni Relations
Helene D. Lewis, Director of Public Relations
Kevin B. Van Ness, Administrative Assistant

OFFICE OF BUSINESS & FINANCE

Theodore R. Carlus, Vice President — Business
Leslie Thomas Chapman, Assistant Vice President — Business
Jane Shillinglaw, Assistant to the Vice President — Business
Carol Gibson, Conference Director
Catherine A. Garson, Manager, Printing
Alphonse Zabor, Director, Physical Plant
Robert LePak, Assistant to the Director, Physical Plant

OFFICE OF STUDENT AFFAIRS

Eric R. Riedel, Dean of Students
Karla Spurlock-Evans, Assistant Dean
Steven J. Watter, Assistant Dean
Wayne Doleski, Director of Campus Activities
Donald T. Craft, Director, Security
Leslie Davis, Director, Career Planning and Placement

OFFICE OF ADMISSIONS

Francis B. Gummere, Jr., Dean of Admissions
Ellen L. Syburg, Associate Director
James A. Jacobs, Assistant Director
Anthony C. Leggett, Assistant Director
Naomi C. Tsuzuki, Assistant Director
Virginia H. Reichl, Assistant to the Director

OFFICE OF THE REGISTRAR

Ruthane I. Bopp, Registrar

LIBRARY

Arthur H. Miller, Librarian
Hedwig E. Ford, Joann H. Lee, William L. Starck, Guynell Williams, Assistant Librarians

OFFICE OF FINANCIAL AID

Gordon E. White, Director and Assistant to the President

COMPUTER SERVICES

***Michael B. Davis,** Director of Computing Activities
Pamela Tunison, Assistant Director of Computing Activities

COUNSELING CENTER

Phylis M. Frankel, Director; Associate Professor of Psychology
Charles F. Behling, Associate Professor of Psychology
Dover Roth, M.D., Psychiatric Consultant
Barbara Stadheim, Counseling Center Staff

HEALTH

Nancy Ryan, M.D., (Medical Director)
Carole Hoskins, R.N., College Health Nurse Practitioner

HEAD RESIDENTS, 1983-84

Doug Rubenstein, Blackstone Hall
Eric Ciemniewski, Bradley Lodge
Elaine Hays, Deerpath Hall
Jackie Harris, Gregory Hall
Tim Prout, Harlan Hall
Henryne Green, Lois Hall
Terry Sullivan, McClure Hall
Suzie Rhee, Moore Hall
Cheryl Kotce, Nolien Hall
Elaine Johnson, Roberts Hall

PHYSICAL EDUCATION AND ATHLETICS

Michael E. Dau, Director; Football and Handball Coach
R. Wayne Braxton, Football and LaCrosse Coach
Chris Carlo, Assistant Field Hockey, Diving Coach
Tony Fritz, Hockey and Soccer Coach
Elizabeth A. Burke Kaufmann, Volleyball and Basketball Coach
John Leonard, Swim Coach
Charles E. Miller, Basketball Coach
Lucille Ramsey, Women's Tennis Coach
Paul Torricelli, Men's Tennis Coach
Susan M. Trefny, Field Hockey and Softball Coach

TRUSTEES

OFFICERS:

Wesley M. Dixon, Jr., Chairman
James P. Gorter, Vice Chairman
Francis C. Farwell II, Secretary

CHARTER TRUSTEES:

Class of 1984

Mrs. Henry Bartholomay '70 (1976), Northfield, Illinois
James R. Donnelley (1974), Group Vice President, R.R. Donnelley & Sons Company
Arthur G. Hailand, Jr. (1968), Chairman, Butler Aviation International, Inc.
John E. McGovern, Jr. (1972), Partner, Wilson and McIlvaine
William F. Souders '52 (1975), Executive Vice President, Xerox Corporation
Howard C. Shank '42 (1978), Lake Forest, Illinois

Class of 1985

Francis C. Farwell II (1958), Partner, William Blair & Company
James P. Gorter (1971), Partner, Goldman, Sachs & Company
Mrs. Marc Hollender '42 (1977), Nashville, Tennessee
Mrs. Richard W. Simmons (1973), Lake Bluff, Illinois
James D. Vail (1977), American Hospital Supply Corporation

Class of 1986

Peter B. Cherry (1981), President, Chief Operating Officer, Cherry Electrical Products Corporation
Wesley M. Dixon Jr. (1966), Vice Chairman, G. D. Searle & Co.
Russell W. Fisher, (1979), President, Jasper Corporation

Mrs. A. S. Hart, Jr. (1979), Lake Forest, Illinois
Mrs. Frank Mohr '52 (1980), Lake Forest, Illinois
Frank S. Read (1971), Chairman (ret.), First National Bank of Lake Forest

Class of 1987

Mrs. Henry T. Chandler (1983), Lake Forest, Illinois
Robert M. James (1979), Senior Lecturer in Business Administration, The University of Chicago
James A. Lovell, Jr. (1983), Senior Vice President, Centel, Inc.
Charles A. Meyer (1974), Senior Vice President, Public Affairs (ret.), Sears, Roebuck & Co.
William L. Powell '51 (1979), President, William L. Powell and Company

EX OFFICIO:

Eugene Hotchkiss (1970), President, Lake Forest College

NATIONAL TRUSTEES:

Class of 1984

Miss Diana Marie Finley '80 (1980), Materials Supervisor, Baxter Travenol Laboratories, Inc.
Robert P. Tiernan '49 (1980), Vice President, Administration and General Counsel, Basic American Foods Incorporated
Harry Hay Wolf, Jr. '50 (1982), Chairman, Harry H. Wolf, Jr. Enterprises

Class of 1985

Clark W. Fetridge '69 (1977), President and Chief Executive Officer, Dartnell Corporation
Daniel A. Gescheidle '57 (1977), President, North American Foodservice Companies and United Institutional Distributors, Inc.
Patrick Keig '50 (1982) San Diego, California

Class of 1986

Glen G. Cain '55 (1980), Professor of Economics, University of Wisconsin
Joseph G. Hodges, Jr. '65 (1976), Davis, Graham & Stubbs
Thomas R. Leuenberger '81 (1982), Data Processing Manager, Nelson Electric Company, Inc.,

Class of 1987

J. B. Brown '45 (1979), President, U.S.A. Properties Fund, Inc.
Louis T. Porterfield '51 (1983), Vice President, Publisher, COSMOPOLITAN; Hearst Magazines
William V. Shannon '52 (1979), President, Gannett Newspaper Advertising Sales

EX OFFICIO:

Maurice F. Dunne, Jr. (1975), President, Lake Forest School of Management
Frank W. Hamilton '65 (1982), President, Alumni Board of Governors
Mrs. Deborah W. MacKenzie (1982), Chairman, Lake Forest College Women's Board

LIFE TRUSTEES

Miss Lilace Reid Barnes (1944-61), Lake Forest, Illinois
George R. Beach (1955-1974), Midwest Regional Manager (ret.), E.I. DuPont de Nemours & Company
Francis Beidler II (1933-64), Lake Forest, Illinois
Mrs. Richard Bentley (1950-62), Montecito, California
Gardner Brown (1965-1975), Limited Partner (ret.), White, Weld and Company, Inc.
Mrs. James H. Douglas, Jr. (1967-1969), Lake Forest, Illinois
James R. Getz (1962-1976), Real Estate Management, Lake Forest, Illinois
John H. Haugh '31 (1965-74, 1976-78), President, Tucson Tallow Co., Inc.
Miss Mary Longbrake '35 (1969-78), Vice President (ret.), The Northern Trust Company
Kenneth F. Montgomery (1964-71), Counsel, Wilson and McIlvaine
Mrs. William R. Odell (1950-1976), Charlottesville, Virginia
Eric Oldberg, M.D. (1964-1971), President (ret.), Chicago Board of Health
Philip L. Speidel '19 (1951-1968), President (ret.), First National Bank of Lake Forest
Frank L. Spreyer '35 (1961-69, 1970-79), Executive Vice President (ret.), Jewel Food Stores
Ernest H. Volwiler (1950-1966), President (ret.), Abbott Laboratories
Harris E. Wilder (1933-1968), Vice President, The Illinois Company Inc.
J. Howard Wood '22 (1944-1967), Director, The Tribune Company

THE FACULTY

Eugene Hotchkiss (1970) A.B., Dartmouth College; Ph.D., Cornell University; LL.D., Illinois College
President of the College

Donald E. Bartlett (1958-1979), B.A., William Penn College; M.A., Haverford College; B.D., McCormick Theological Seminary; Ph.D., Yale University
Professor of Religion, Emeritus

Martha Lydia Biggs (1937-1972), B.A., Lake Forest College; M.S., University of Illinois
Librarian, Emerita

Esther DeMerritt (1959), Grinnell College
Associate Director of Admissions, Emerita

Marvin C. Dilkey (1955-1976), B.A., DePauw University; Ph.D., Cornell University
Professor of German, Emeritus

Richard Watson Hantke (1942-1973), Ph.B., Ph.M., Ph.D., University of Wisconsin
Professor of History, Emeritus

H. Murray Herlihy (1957-1982), B.A., University of Alberta; M.A., Ph.D., The University of Chicago
Professor of Economics, Emeritus

Harald Christen Jensen (1942-1973), B.A., Iowa State Teachers College; M.S., State University of Iowa; Ph.D., Northwestern University
Professor of Physics, Emeritus

Elizabeth Teter Lunn (1930-1935, 1946-1970), B.A., Wellesley College; M.A., Ph.D., Northwestern University
Professor of Biology, Emerita

Edwin Clark Reichert (1946-1974), B.A., University of Wisconsin; M.A., Ph.D., University of Minnesota
Professor of Education, Emeritus

Bertha L. Reynolds (1946-1971), B.S., Mississippi State Teachers College; M.S.C., University of Denver
Assistant Professor of Economics, Emerita

Ruth Baker Sharvy (1967-1975), B.A., University of Wisconsin
Assistant Librarian, Emerita

Arthur W. M. Voss (1941-42, 1946-1976), B.A., M.A., University of Kansas; Ph.D., Yale University
Professor of English, Emeritus

Nicholas J. Wasylik, (1958-1979), B.S., Ohio State University; M.A., Columbia University
Physical Educator and Coach, Emeritus

Ronald Boal Williams (1932-1967), B.A., M.A., Ph.D., State University of Iowa
Professor of Spanish, Emeritus

Robert A. Baade (1973), B.A., University of Wisconsin (Whitewater); M.A., Ph.D., University of Wisconsin (Madison)
James D. Vail Associate Professor of Economics

Charles F. Behling (1968), B.A., M.A., University of South Carolina; M.A., Ph.D., Vanderbilt University
Associate Professor of Psychology and Staff Member, Counseling Center; Chairperson of Psychology Department

†††**Kenneth C. Bennett, Jr.** (1961), B.A., University of Wisconsin; M.A., University of Illinois; Ph.D., Indiana University
Professor of English

Ruthane I. Bopp (1960), B.A., Lake Forest College; M.A., Northwestern University
Registrar of the College and Instructor in Mathematics

Ann D. Bowen (1952), Mus.B., Oberlin College; M.A., Columbia University; Mus.D., Northwestern University
Professor of Music.

R. Wayne Braxton (1982), B.A., Fairleigh Dickinson University; M.A., Kean College
Physical Educator and Coach

Jeffrey P. Brown (1982), A.B., A.M., Ph.D., University of Illinois (Urbana)
Assistant Professor of History

Lowell A. Carmony (1981), B.A., Indiana University; M.S., University of California (Berkeley); Ph.D., Southern Illinois University
Associate Professor of Mathematics and Computer Studies

Amelia Jane Carr (1982), B.A., Ohio State University
Instructor in Art

James H. Chessen (1979), B.A., University of Puget Sound; M.A., Ph.D., Virginia Polytechnic Institute and State University
Assistant Professor of Economics

Dan P. Cole (1965), A.B., Columbia University; B.D., Union Theological Seminary; Ph.D., Drew University
William R. Bross Professor of Religion, Chairperson of Religion Department

John W. Coutts (1955), B.Sc., M.Sc., University of Manitoba; Ph.D., Purdue University
Ernest H. Volwiler Professor of Chemistry, Chairperson of Chemistry Department

Rosemary E. Cowler (1955), B.A., New Jersey College for Women; M.A., Indiana University; Ph.D., Yale University
Professor of English, Chairperson of English Department; Faculty Marshal

Michael Benet Croydon (1968), Associate, Royal College of Art (London)
Professor of Art

Michael Edward Dau (1966), B.A., Lake Forest College
Director of Athletics; Physical Educator and Coach

Richard J. DeCoster, II (1979), B.A., The University of Iowa; M.A., University of California (Berkeley); Ph.D., The University of Iowa
Assistant Professor of Physics

Les R. Dlabay (1983), B.S., University of Illinois (Chicago); M.B.A., DePaul University; Ed.D., Northern Illinois University
Assistant Professor of Business

Bailey L. Donnally (1961), B.S., M.S., Auburn University; Ph.D., University of Minnesota
Provost and Dean of the Faculty; Professor of Physics

Richard F. Dye (1983), A.B., Kenyon College; M.B.A., Ph.D., The University of Michigan
Assistant Professor of Economics

*__Michael H. Ebner__ (1974), B.A., University of Toledo; M.A., Ph.D., University of Virginia
Associate Professor of History

Arlene Eskilson (1972), B.A., M.A., Roosevelt University; Ph.D., University of Illinois (Chicago Circle)
Associate Professor of Sociology and Anthropology

Roger J. Faber (1965), B.S., Calvin College; Ph.D., Michigan State University
Professor of Physics on the Jacob Beidler Fund, Chairperson of Physics Department

Juliana H. Feder (1982), B.A., Cornell University; M.A., University of California (Berkeley)
Instructor in Biology

Paul B. Fischer (1971), B.A., M.A., City College of New York; Ph.D., University of Massachusetts
Associate Professor of Politics, Chairperson of Politics Department

Hedwig E. Ford (1982), B.A., Albion College; M.S., Michigan State University
Assistant Librarian

Ronald H. Forgus (1958), B.Sc., M.Sc., McGill University; Ph.D., Cornell University
Professor of Psychology

Phylis M. Frankel (1968), B.S., M.A., Ph.D., Northwestern University
Associate Professor of Psychology; Director and Staff Member, Counseling Center

Anthony L. Fritz (1978), B.S., M.S., University of Wisconsin (Milwaukee)
Physical Educator and Coach

‡**James R. Fryxell** (1980), A.B., Augustana College; M.S. (Mathematics), M.S. (Statistics), University of Illinois
Lecturer in Mathematics

Thomas G. Fuechtmann (1979), A.B., Ph.L., M.A., St. Louis University; Doctoraal, University of Amsterdam (Netherlands); Ph.D., The University of Chicago
Director of the Robert E. Wood Institute for Local and Regional Studies and Assistant Professor of Local and Regional Studies

Charles L. Gahala (1981), B.S., M.S., Ed.D., Northern Illinois University
Assistant Professor of Business

Jonathan Fuller Galloway (1966), B.A., Swarthmore College; Ph.D., Columbia University
D.K. Pearsons Professor of Politics

†††**Jean-Luc Garneau** (1964), B.A., Universite Laval (Quebec); M.A., University of Illinois (Chicago Circle); Licence es Lettres Libre, Universite Laval
Associate Professor of French, Chairperson of Foreign Language Department

Frederic A. Giere (1962), B.A., Luther College; M.S., Syracuse University; Ph.D., University of New Mexico
Professor of Biology, Chairperson of Biology Department

††**Robert Bruce Glassman** (1969), B.A., Columbia College; Ph.D., University of Pennsylvania
Professor of Psychology

Clayton Gray, Jr. (1977), B.A., Fisk University; M.A., University of Colorado (Boulder); Ph.D., University of California (Berkeley)
Associate Professor of German and Secretary of the Faculty

Robert Morse Greenfield (1967), B.A., Occidental College; M.A., Ph.D., Columbia University
Associate Professor of English

Gertrude Grisham (1976), Absolutorium, University of Vienna; M.A. Ph.D., Northwestern University
Director of the Writing Center and Lecturer

††**Ronald P. Grossman** (1967), B.A., Ph.D., The University of Chicago
Professor of History

Francis B. Gummere, Jr. (1968), A.B., Trinity College (Connecticut); M.Ed., St. Lawrence University
Dean of Admissions

‡**Rosemary D. Hale** (1946), A.B., Mount Holyoke College; M.A., American University
Professor of Economics

***Richard Handler** (1979), B.A., Columbia University; M.A., Ph.D., The University of Chicago
Assistant Professor of Sociology and Anthropology

Barbara C. Hansen (1982), B.S., M.S., Ph.D., The University of Michigan (Ann Arbor)
Assistant Professor of Biology

Forest W. Hansen (1963), A.B., Harvard College; M.A., University of Wisconsin; Ph.D., Johns Hopkins University
Professor of Philosophy

‡**Christopher R. Hardy** (1982), B.A., DePauw University; M.B.A., Indiana University; C.P.A., Illinois
Lecturer in Economics

Ann Louise Hentz (1956), B.A., University of Rochester; M.A., Ph.D., Ohio State University
Professor of English

Robert L. Holliday (1982), B.S., University of Missouri (Rolla); M.S., Ph.D., Southern Illinois University
Assistant Professor of Mathematics and Computer Studies

‡**Mary Gray Hughes** (1983), B.A., Barnard College; M. Litt., Oxford University
Lecturer in English

James A. Jacobs (1982), B.S., Northwestern University; M.S., University of Wisconsin (Madison)
Assistant Director of Admissions

Tung Hon Jeong (1963), B.A., Yale College; Ph.D., University of Minnesota
Professor of Physics

Elizabeth A. Burke Kaufmann (1980), B.S., M.S., University of Dayton
Physical Educator and Coach

Frank E. Kirby (1963), B.A., The Colorado College; Ph.D., Yale University
Professor of Music, Chairperson of Music Department

Laura K. Klingbeil (1965), B.S., University of Detroit; M.S., Michigan State University
Instructor in Chemistry

David L. Krantz (1963), B.A., Brooklyn College; M.S., Ph.D., Northwestern University
Professor of Psychology

Paul Kunkel (1983), B.A., Princeton University; M.A., Northwestern University
Instructor in Mathematics

‡**Arthur Lazar** (1980), M.F.A., Ohio University
Lecturer in Art

Joann Harrington Lee (1950-51, 1960), B.A., University of Missouri; M.A. in L.S., The University of Michigan
Assistant Librarian

Anthony C. Leggett (1977), B.A., Lake Forest College
Assistant Director of Admissions

D. L. LeMahieu (1974), A.B., Lawrence University; A.M., Ph.D., Harvard University
Associate Professor of History

Abba Lessing (1965), B.A., Wesleyan University; M.A., Ph.D., Tulane University
Associate Professor of Philosophy, Chairperson of Philosophy Department

Jocelyn S. Linnekin (1982), B.A., Barnard College; M.A., Ph.D., The University of Michigan (Ann Arbor)
Assistant Professor of Sociology and Anthropology

Louis G. Lombardi (1980), A.B., Brown University; Ph.D., University of Illinois
Assistant Professor of Philosophy

†††**Charles D. Louch** (1957), B.A., The College of Wooster; M.S., Ph.D., University of Wisconsin
Professor of Biology

K. Rick Lung (1982), B.S., University of North Carolina (Greensboro); Ph.D., Duke University
Assistant Professor of Chemistry

William B. Martin (1961), B.S., Franklin and Marshall College; Ph.D., Northwestern University
Professor of Chemistry

Louise C. Mason (1981), B.A., Swarthmore College; M.A., Tufts University
Director of Theatre and Lecturer

Julie W. Massey (1980), B.S., University of Wisconsin; M.Ed., University of Pittsburgh
Instructor in Education

Claire Farley Michaels (1973), B.A., M.A., Ph.D., University of Connecticut
Associate Professor of Psychology

Arthur H. Miller, Jr. (1972), B.A., Kalamazoo College; M.A. (English), M.A. (Librarianship), The University of Chicago; Ph.D., Northwestern University
Librarian

Charles A. Miller (1974), B.A. Swarthmore College; M.P.A., Ph.D., Harvard University
Associate Professor of Politics

Charles E. Miller (1979), B.A., West Virginia Wesleyan College; M.A., West Virginia University
Physical Educator and Coach

Ronald H. Miller (1974), B.A., M.A., Ph.L., S.T.L., St. Louis University; Ph.D., Northwestern University
Lecturer in Religion and Coordinator of Interfaith Ministry

W. Gordon Milne (1951), A.B., A.M., Brown University; A.M., Ph.D., Harvard University
Professor of English

Grant B. Mindle (1981), B.A., Claremont Men's College; M.A., Harvard University
Instructor in Politics; Faculty Parliamentarian

Alexander F. Mitchell (1964), M.A., (First Class Honors), University of Edinburgh; Diploma in Art, Edinburgh College
Professor of Art, Chairperson of Art Department

‡**Ramona Mitchell** (1974), Staatsexamen, University of Kassel (Germany)
Lecturer in Art

Julia Kate Moldof-Kurtz (1981), B.A., Lawrence University; M.A., University of Pennsylvania
Instructor in Spanish

Carol Gayle Moodie (1966), B.A., Swarthmore College; M.A., Columbia University
Lecturer in History and Associate Director of MLS Program and of Community Education

Thomas Moodie (1965), B.A., Park College; M.A., Ph.D., Columbia University
Associate Professor of History, Chairperson of History Department

William Moskoff (1970-72, 1983), B.A., Hunter College; M.A., Ph.D., Certificate, Russian Area Studies, University of Wisconsin
Ernest A. Johnson Professor of Economics, Chairperson of Economics and Business Department

Kevin J. O'Connor (1983), B.A., Fordham University; M.A., New York University; Ph.D., University of California (San Diego)
Assistant Professor of Spanish

‡**Robert Orr** (1975, 1978), B.A., Lake Forest College
Lecturer in English

*Edward W. Packel (1971), B.A., Amherst College; Ph.D., Massachusetts Institute of Technology
Professor of Mathematics

‡**Nicholas Prokos** (1982), B.S., University of Wisconsin; M.A., Wayne State University
Lecturer in Art

‡**Carol E. Ptack** (1979), B.A., St. Olaf College
Lecturer in Music and Director of the Choir

Eric R. Riedel (1975), B.A., Rutgers University; M.S., Indiana University
Dean of Students

Stephanie Riger (1973), B.A., M.A., Ph.D., The University of Michigan
Associate Professor of Psychology

Cheryl Ross (1978), B.S., M.S.M., Purdue University; C.P.A., Illinois
Assistant Professor of Economics

Diane M. Ross (1980), B.A., M.A., Ph.D., Yale University
Assistant Professor of English

Steven J. Rosswurm (1977), B.A., The University of Michigan; M.A., Ph.D., Northern Illinois University
Assistant Professor of History

Arthur Schmidt (1978), B.S., DePaul University; Ph.D., University of Notre Dame
Assistant Professor of Physics

Evan Sue Hoffman Schouten (1979), B.A., Wellesley College; M.A., The University of Chicago
Instructor in Economics

Franz Schulze (1952), Ph.B., The University of Chicago; B.F.A., M.F.A., School of the Art Institute of Chicago
Betty Jane Schultz Hollender Professor of Art; Assistant Faculty Marshal

‡**Daniel Alan Segal** (1983), B.A., Cornell University; M.A., The University of Chicago
Lecturer in Sociology and Anthropology

Paul Louis Shick (1983), B.S., John Carroll University; M.S., Northwestern University
Instructor in Mathematics

Ralph L. Shively (1965), B.S., M.A., Ph.D., The University of Michigan
Professor of Mathematics, Chairperson of Mathematics and Computer Studies Department

Laurie Jeanne Shrage (1983), B.A., University of California (Davis); M.S., University of California (San Diego)
Instructor in Philosophy

†**Florence Singer** (1975), B.A., Barat College; M.S., Illinois Institute of Technology
Lecturer in Education

*Charles S. Smith (1962), B.A., Western Kentucky State College; M.A., State University of Iowa; Ph.D., Indiana University
Associate Professor of Mathematics

THE ALUMNI ASSOCIATION

Since its first annual meeting in June of 1883, the Alumni Association has worked to keep alumni aware of and active in the ongoing life of the College. Under the guidance of a national Board of Governors, the Alumni Association develops and promotes a variety of alumni programs both on the Lake Forest College campus, and regionally through a network of Regional Councils.

The Office of Alumni Affairs coordinates and promotes the various alumni programs, and functions as a liaison between the Regional Councils and the College. It plans and participates in a range of activities designed to bring together Chicago area alumni and the College community, including the annual Homecoming celebration. The Office of Alumni affairs also maintains files of current addresses and biographical data of all former students.

Alumni volunteers provide many services to the College. They help the Admissions Office by identifying potential candidates for admission and host informal receptions by the Director of Admissions for newly admitted students and their parents each spring. They assist the Office of Career Planning and Placement by participating in career seminars, by providing information about job availability for both summer and permanent employment, and by making positions available for the academic-professional internship (work study) program. Alumni volunteers assist with the overall fund raising effort of the College by helping to identify potential donors and by participation in regional or special fund raising efforts.

The publication SPECTRUM, a tabloid published six times annually, provides a continuing link between the College and the alumni.

Alumni Board of Governors

President: Franklin W. Hamilton '65

LAKE FOREST COLLEGE WOMEN'S BOARD

Mrs. Deborah W. MacKenzie, Chairman

The Women's Board was founded in 1971 for the purpose of establishing a closer relationship and a better understanding between the College and the Lake Forest/Lake Bluff community. The members of the Board participate in special programs during the year designed to bring an in depth understanding of campus life and academic aims into focus.

Each year, the Women's Board helps to enrich campus life by sponsoring a visit to campus by a Woodrow Wilson Scholar. Past visitors have included Edward P. Morgan, news commentator; Roger Wilkins, a member of the *New York Times* editorial board; and the Right Honorable Lord Caradon, former British Minister of State for Foreign and Commonwealth Relations. These scholars visit classes, are available for questions, and give lectures which are free and open to the public.

Each year the Women's Board also sponsors two lecture series designed to investigate a topic of interest more thoroughly. In 1982-83 the topic was "Home Computers for Women". The Women's Board also sponsored a trip to the Milwaukee Art Museum with Michael Croydon (LFC Professor of Art).

LAKE FOREST SCHOOL OF MANAGEMENT

The Lake Forest School of Management, formerly the Advanced Management Institute (AMI), is located on the College Campus. Lake Forest College and the Lake Forest School of Management have shared facilities since the School was originally founded as the Industrial Management Institute in 1946. Each is independently accredited and governed; both cooperate in many ways.

For the LFSM, the College offers the physical and academic environment of a nationally known collegiate institute. LFSM brings to the college campus a number of students and the attention of industries, all concerned with quality education.

The Lake Forest School of Management offers development programs for management personnel, in cooperation with more than two hundred companies in the Chicago metropolitan area. The School confers both a Master of Business Administration (MBA) degree and a Master of Science in Management (MSM) degree. It also offers The Managers Program, a modularized one-to-three-year program of management development courses culminating in a diploma, plus special-topic seminars under a separate continuing education program.

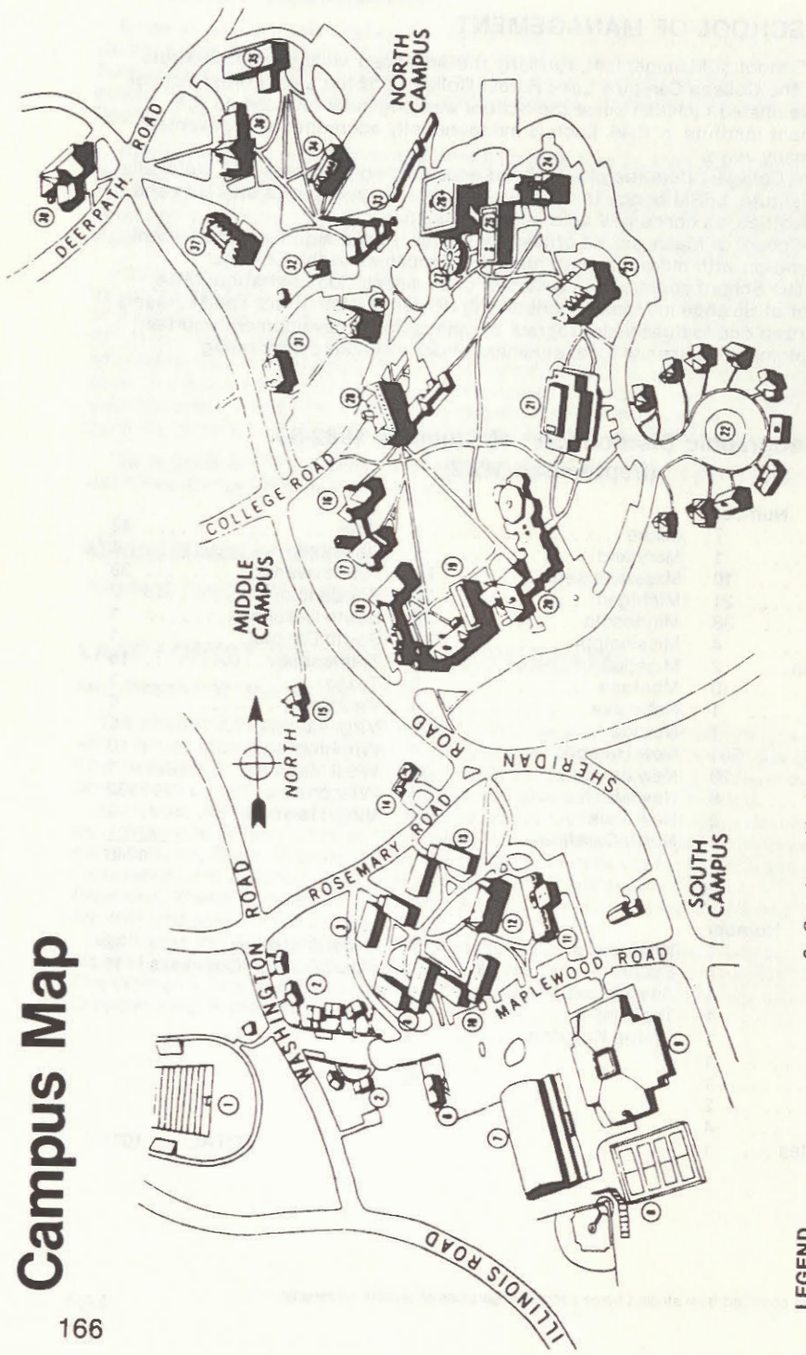
Geographic Distribution* of Students 1982-83 (September, 1982)

State	Number	State	Number	State	Number
Arizona	7	Maine	1	Ohio	42
Arkansas	1	Maryland	5	Oklahoma	4
California	10	Massachusetts	90	Pennsylvania	39
Colorado	21	Michigan	24	Rhode Island	2
Connecticut	38	Minnesota	18	South Carolina	1
Delaware	4	Mississippi	1	South Dakota	1
District of Columbia	2	Missouri	24	Tennessee	15
Florida	10	Montana	2	Texas	1
Georgia	1	Nebraska	4	Vermont	6
Hawaii	1	Nevada	1	Virginia	5
Illinois	501	New Hamphsire	4	Washington	5
Indiana	23	New Jersey	32	West Virginia	1
Iowa	6	New Mexico	1	Wisconsin	32
Kentucky	5	New York	52	Virgin Islands	1
Louisiana	1	North Carolina	1		1046

Foreign Country	Number				
Belgium	1	Nigeria	1	Total States	42
Canada	4	Sudan	1	Total Foreign Countries	16
Germany	1	Switzerland	1		
Greece	1	Thailand	1		
Hong Kong	1	United Kingdom	1		
India	1		25		
Ireland	1				
Italy	2				
Japan	4			TOTAL	1071
Netherlands Antilles	1				

*Geographic distribution compiled from student home address, regardless of student citizenship.

Campus Map



LEGEND

1. Farwell Field
2. Campus Houses
3. Gregory Hall
4. McClure Hall
5. Lake Forest School of Management
6. Alumni Memorial Field House, Ice Rink
7. Tennis Courts
8. Sports — Health Center
9. Roberts Hall
10. Hixon Hall (Theatre)
11. Moore Hall
12. Nollen Hall
13. President's House
14. Glen Rowan
15. Reid Hall
16. Lily Reid Holt Memorial Chapel
17. Blackstone Hall
18. Harlan Hall
19. Durand Commons
20. Donnelley Library
21. Faculty Circle
22. North Gym
23. Carnegie Hall
24. McCormick Auditorium
25. Johnson Science Center
26. Freeman Science Library
27. Young Hall (formerly College Hall)
28. North Hall
30. Patterson Lodge (Admissions)
31. Ravine Lodge
32. Physical Plant
33. Bradley Lodge
34. Deerpath Hall
35. Durand Art Institute
36. Lois Durand Hall
37. Presbyterian Church
38. Halas Hall

DEGREES, HONORS, ENROLLMENT

Degrees Conferred, 1983

Honorary Degrees

DOCTOR OF LAWS

William B. Graham, Charles A. Meyer

DOCTOR OF HUMANE LETTERS

Anna L. Standard, M.D.

DOCTOR OF SCIENCE

Grace Murray Hopper

Master of Liberal Studies

Jill Wilson Brennan

Elizabeth Izant Dinsmore

Jean Stainton Khatib

Karen Owens

Bachelor of Arts

Ellyn Marie-Therése Adami, Psychology
Lia Alexopoulos, Art: Art History
Jane F. Anderson, Economics
Linda Arkules, Psychology
John Frazier Baker, Economics; Psychology
Katherine Buswell Baker, Chemistry
Michelle Ann Baker, Art: Art History
Michael Marcy Balch, Art: Art History
Robert Nelson Barnes, Business
Molly Ann Baron, Mathematics; Physics
Edwin Rice Bartlett II, Economics; French
Marlene E. Baumeister, Psychology
Daniel G. Becerra, International Relations
Josephine María Pía Bellalta, Environmental Studies
Christine Claudette Bellios, Politics
Michael David Belsky, Local and Regional Studies
Judith N. Franco Bennett, International Relations
Alan Holmes Berry, Psychology
Kathleen Anne Birmingham, Business
Paula Marjorie Bischoffer, Psychology; Education
Joseph John Bopp, Politics
Christopher John Bowden, Chemistry
Steve Michael Breihan, Business
Christine Ellen Brekka, Business
Donna L. Bridgeforth, Psychology
John F. M. G. Buckles, Jr., Economics
Georgia Berggren Buxton, Politics
Joan Fendrych Byerhof, Psychology; Sociology and Anthropology
Kathleen K. Byers, Politics
Sean Michael Caldwell, Biology
James Frank Capek, Business; Economics
Lisa Carney, International Relations
John Harris Clark, Business
William Edward Maxwell Clarke, Jr., English; History
Thomas Charles Cochran III, Economics
Kimberly Anne Cole, English
Steven Marc Collins, Biology; Business
Mary Martha Conklin, Local and Regional Studies; Sociology and Anthropology
Patricia Lynne Crane, Psychology
Beverly Gay Croydon, English
Mark Alan Cybulski, Economics
David William Danaher, History
Lee Scott Daniels, Business; English
Marie Baughman Daniels, Art: Art History
Denise M. DeGuglielmo, Business
Giovanna del Greco, International Relations
Ann Marie Del Monico, Business
Michelle Lucas del Rosario, Chemistry
Daniel Carmen DeSimone, Biology; Chemistry
Bernard Philip Doering, Economics; International Relations

Keith G. Dudley, Psychology
Michael Joseph Ebeling, English; Education
Janie Diane Elftmann, Art: Art History
Nanci Janine Ellis, Philosophy; Psychology
David Alexander Ellison, Local and Regional Studies
Susan Elliott Ericksen, Art: Art History
John Cunningham Fahey, Health Services
Virginia Brooke Fairman, History
Leigh S. Feisthammel, Psychology
Jill Anne Ferraro, Economics
Alison Justi Fischer, Psychology
Sheila Helen Fitzgerald, Business
Suzanne Beth Foyle, Sociology and Anthropology
Rose Magalie Fung-Cap, Biology
Frances Hemsley Ganoe, Psychology; Education
Lysander Rivera Garcia, Engineering
Bruce Thomas Geary, Economics
Sandra Jean Getowicz, Psychology
Norma S. Glass, Politics
Gregory Donald Glyman, Business; Economics
Rita Dempsey Gordon, Psychology
Jeffrey Lewis Gould, Business; Psychology
Kelly Ann Greene, English
Esther Elisabeth Grisham, Comparative World Literature
Cynthia Anne Grundy-McCloskey, Psychology; Education
Stephen James Grundy-McCloskey, Business; International Relations
Martha Scattergood Gubb, Psychology; Education
Maureen M. Hackett, Biology; Chemistry
Joseph Anthony Hafenscher, Business; Psychology
Julie D. Hager, Business
Gerald Eric Hagman, Jr., Health Services
John Andrew Halley, Biology
Wendy L. Hammerstroem, Mathematics
Christopher Neill Haney, Physics
Timothy James Hart, Economics
Donna Patricia Hayden, Biology
Martha McNeill Hayes, English
Ruth Ingram Hayes, Economics; Local and Regional Studies
Edward Timothy Hearn, History
Carol J. Heer, English
Marty Henry Heitz, Philosophy; Physics
John Geoffrey Henderson, Politics
Peter John Henry, Economics
Polly Barbara Hain Hill, Economics
Krystyna Mariko Hirata, Economics; German
Jeffrey Adams Jackson, Business; Economics
Tina Marie Jaffe, Psychology; Education
Sally Miller James, Biology
Juanita P. Johnson, Psychology
Karolyn Anne Johnson, Art: Art History
Linda Ann Jones, Psychology
David William Kalif, Economics
Charles David Kalil, Business
Leann Kalish, Sociology and Anthropology
James Rudolph Kallinger, German; International Relations
Tracey Michelle Kaplan, Psychology
Brian Barrett Kavanagh, Economics; History
Patrick Joseph Keefe, Business; International Relations
Eileen M. Kelliher, Economics; Politics
Katherine Elizabeth Kemper, Psychology
Constance Marie Kinast, Business; Psychology
Doreen Marie Kink, Business; Psychology
Nancy Ann Kirkland, Business
Stephen Maynard Kiser, Business
Adam K. Klingher, History
Masayo Kobashi, Computer Studies; Mathematics
Dayna Ilene Kravetz, Art: Art History
Mary Josephine Kucharz, Business; Politics
Jacqueline D. Kuhn, Business
Leticia A. Kuhnlein, Business; Economics
Craig Randolph Kurtz, Business; Economics
Dennis A. Lambert, Psychology
Shelia Denise Lathion, International Relations
Katherine C. Lee, French; International Relations
Diane R. Legutki, Computer Studies
Alanna Morgan Levine, Psychology
Pamela Polk Lillard, English
Jessica Lind, Comparative World Literature
Kathryn I. Llerandi, Psychology; Education
David Wallace Locke, Business; Politics
David Scott Lothrop, The Interface of Existential Philosophy, Psychology, and World Religions
Jeffrey R. Louch, Chemistry
Barry G. Lowy, History
Deborah Ellen Maass, German; International Relations
Robert MacGregor Magie, Architecture
George Nicholas Manos, Physics
Margaret M. Matthews, Biology; Chemistry
Patricia A. Matthews, Chemistry
Andrew Todd Mauck, History
Mary Elizabeth Maxwell, Art: Art History
Sabina Gatheral McGarrahan, History
Carrie Lynn McGurn, Psychology
Marie F. McHugh, Economics
William Sneddon McKinlay, Jr., Politics
William Bartley McKinley, Business
Rosemary Gayle Michael, Psychology; Education

Susan Marie Michniuk, International Relations; Politics
Suann Carole Middleton, Business; Politics
Nadine Nada Milinkovic, Economics
Frederick L. Montag, Jr., Politics
Michelle Anne Montag, Biology
Daniel William Moriarty, Art: Art History; Psychology
Joanne Marie Morlan, Economics
Marco Nicollo Moscatelli, Business
William Ray Mostow, History
William C. Moylan, Engineering
Anthony Michael Mulert, Business
James G. Murphy, Economics
Elizabeth Joy Myers, Business
Ruediger Nikolai, Computer Studies; Economics
Atheline Ames Nixon, Local and Regional Studies
Kerrie Ann Nystedt, Business
James Mark Oddo, Business; Computer Studies
Ted Michael Parker, Economics
Karen Dora Pearson, Computer Studies
Catherine Watjen Pemberton, Psychology
Todd Brandon Pfister, Economics
Lori Anne Pierce, American Religious History
R. Scott Pochron, French; Transcultural Studies
Christopher Alan Poole, Economics
Donna L. Popham, French; Education
Molly Anne Porterfield, Psychology
Thomas Woodrow Price II, Politics
Steven Michael Quinn, Business
Sarah Turner Reaney, Business
David Scott Reiter, Business; Economics
Victor Walter Remdt, Mathematics
Nancy Joan Remington, Psychology
Lorenzo Derek Renfroe, Mathematics
Philip Murray Reynolds, Jr., Business
Suzanne Marie Reynolds, English
Sheila Mary Rich, Biology
Elton Richardson, Psychology
Michael Evans Ritholz, Business
R. Scott Robb, Business; Psychology
Christopher Michael Roberts, Business; Economics
Darryl Sprague Rose, Psychology
Jay Stanton Rosenberg, English; Philosophy
Elaine Nadine Salisbury, Psychology
Elizabeth Ann Salisbury, History
Nancy Vierk Salzwedel, Psychology
George Andrew Scheel, Economics
Karen Elizabeth Schmitt, Comparative World Literature; Mathematics
Anne Miriam Seidenberg, History
Timothy Edward Serritella, Psychology
Craig H. Seward, Economics
Virginia Marie Sheehan, Business
Matthew Graham Shirley, History; Mathematics
Michael Philip Simkus, American Studies
Edward William Sleeman, Business
Carolyn Smith, International Relations
David Frederick Smith, Business; Economics
Jeffrey Willard Smith, English
I. John Snider III, Economics
Mark Emil Sova, Chemistry
Wendy Loomis Spinney, Politics
Kevin William Springer, Physics
JoAnne Starks, Business; Psychology
Edward A. Stauber, English
Robert Foster Steadman II, Politics
Mary Rachel Steele, English
Frank Burke Stoltmann, Psychology
Janet Suzanne Story, History
James Frederick Sullivan, Biology; Education
Steven Sural, Economics
Caroline G. Sweetser, English; Psychology
Philip Joel Tallman, Business
Sarah Reid Tallman, Environmental Studies
Peter Andrew Tannenbaum, Psychology
Tamar Rachel Telser, English; Psychology
Michael Jay Tolleson, Health Services
Richard Michael Totaro, Politics; Sociology & Anthropology
Douglas Eldred Townsend, Business; Computer Studies
Nowell Parker Trayes, Psychology
Lisa Ann Treadway, Psychology
Lori Rae Trout, International Relations
Frederick Mercer Van Sickle, History
Anita Lucia Volgyi, International Relations
Kenneth Allen Vutech, Computer Studies
Bruce Lawrence Wagenberg, Business
William Laurance Wagner, Economics
Sharon Spratt Waller, Business
Charles E. Weisbecker, Psychology
James Michael Wendt, Economics
Jennifer Scott Wettlaufer, Psychology
Susan G. Wiechmann, English
Kevin Joseph Wilhelm, Economics; International Relations
Corinne Ann Wonser, Psychology
Margo Lynn Woodfork, Psychology
Scott William Wynn, History
Gordon Perrill Young, Business; Psychology
Eva Elizabeth Zervos, Art: Art History
Saundra Grossman Zessar, History; Education

Honors and Awards, 1983

Phi Beta Kappa, Theta Chapter of Illinois

Member Elected in Junior Year—Patricia A. Matthews

Members Elected in Senior Year—Michelle Lucas del Rosario, Michael Joseph Ebeling, Maureen M. Hackett, Christopher Neill Haney, Marty Henry Heitz, Eileen M. Kelliher, Kathryn I. Llerandi, Barry G. Lowy, Margaret M. Matthews, Joanne Marie Morlan, William Ray Mostow, Ted Michael Parker, Todd Brandon Pfister, Lori Anne Pierce, Thomas Woodrow Price II, Kathleen Therese Rooney, Karen Elizabeth Schmitt, Matthew Graham Shirley, Janet Suzanne Story

Independent Scholars

David Scott Lothrop, Robert MacGregor Magie, Lori Anne Pierce

Summa Cum Laude

Nanci Janine Ellis
Marty Henry Heitz
Eileen M. Kelliher
Kathryn I. Llerandi
Patricia A. Matthews
William Ray Mostow
Todd Brandon Pfister

Magna Cum Laude

Beverly Gay Croydon
Michelle Lucas del Rosario
Michael Joseph Ebeling
Maureen M. Hackett
Katherine Elizabeth Kemper
David Scott Lothrop
Jeffrey R. Louch
Barry G. Lowy
Margaret M. Matthews
Joanne Marie Morlan
Lori Anne Pierce
Thomas Woodrow Price II
Sarah Turner Reaney
Karen Elizabeth Schmitt
Matthew Graham Shirley
Janet Suzanne Story
James Frederick Sullivan
Kevin Joseph Wilhelm

Cum Laude

Jane F. Anderson
Janie Diane Elftmann
Sandra Jean Getowicz
Gregory Donald Glyman
Stephen James Grundy-McCloskey
Christopher Neill Haney
Carol J. Heer
Brian Barrett Kavanagh
Masayo Kobashi
Jacqueline D. Kuhn
Jessica Lind
Ruediger Nikolai
Christopher Michael Roberts
Jeffrey Willard Smith
Frederick Mercer Van Sickle

Anita Lucia Volgyi
Sharon Spratt Waller
Charles E. Weisbecker
Gordon Perrill Young
Saundra Grossman Zessar

Graduation With Honors

Michael David Belsky, *Local and Regional Studies*
Christopher John Bowden, Michelle Lucas del Rosario, *Chemistry*
Beverly Gay Croydon, Carol J. Heer, *English*
Christopher Neill Haney, *Physics*
Marty Henry Heitz, *Philosophy*
David Scott Lothrop, *The Interface of Existential Philosophy, Psychology, and World Religions*
Robert MacGregor Magie, *Architecture*
William Ray Mostow, Frederick Mercer Van Sickle, *History*
Todd Brandon Pfister, *Economics*
Lori Anne Pierce, *American Religious History*
Thomas Woodrow Price II, *Politics*
Karen Elizabeth Schmitt, *Comparative World Literature*
Charles E. Weisbecker, *Psychology*
Eva Elizabeth Zervos, *Art: Art History*

Graduation with Special Honors in Senior Thesis

Michael D. Belsky, *"Competitive Contracting for City Services: A Case Analysis"*
Christopher Bowden, *"Cross-Coupling of Grignard Reagents to 2-Chloropyridine and 2,6-Dichloropyridine Using Transition Metal Phosphine Catalysts"*
Kimberly A. Cole, *"A Study of the Significance of Houses in the Major Novels of William Faulkner"*
Patricia Lynne Crane, *"The Universal Child: From Scribbles to Scrolls to Masterpieces"*
Beverly Croydon, *"The Impossible Journey: The Primacy of Action in Three Poems by T. S. Eliot"*
Michelle C. del Rosario, *"Decarboxylation and Rearrangement of Feist's Acid and Its Half-Esters"*
Norma Glass, *"Lyndon Johnson and the Tonkin Gulf: The Effect of Personality on Presidential Decisions—A Psycho-Historical Study"*
Christopher Neill Haney, *"Low Energy Counterstreaming Plasma Beams in the High Latitude Tail"*
Martha McNeill Hayes, *"The Artist's Portrayal of the Child in Literature—Through the Child's Eye and the Adult Voice"*
Carol Heer, *"The Distressed Woman: Literary Perspectives of Femininity in the Age of Modernism, 1890-1930"*
Marty H. Heitz, *"Breaking the Silence: Personal Presence and Meaningful Being in the World"*
David Scott Lothrop, *"Wholeness and Holiness: Psychological and Religious Approaches to Personal Growth"*
Jeffrey R. Louch, *"Synthesis of bis(3-chloro-2,4-diphenylcyclodiphosph(III)azane)aniline"*
Robert M. Magie, *"A Proposal for the Renovation of North Gym"*
Sabina Gatheral McGarrahan, *"Rise and Shine: The Warsaw Ghetto Uprising, April, 1943"*
William Mostow, *"Reevaluating Jewish Identity: A History of Humanistic Judaism in America"*
Todd Brandon Pfister, *"An Examination of the Fundamental Principles of Supply-Side Economics"*
Lori Pierce, *"'On the Latest Form of Infidelity': An Examination of Ralph Waldo Emerson's Spirituality of Self"*
Thomas W. Price, *"In Pursuit of Stability: Henry Kissinger and American Foreign Policy"*
Karen Elizabeth Schmitt, *"Lewis Carroll's Alice: The Perennial Child—A Study of Identity in* Alice's Adventures in Wonderland *and* Through the Looking-Glass"
Carolyn Smith, *"Peace—A National Treasure?"*
Frederick Mercer Van Sickle, *"A Special Place: Lake Forest and the Great Depression, 1929-1940"*
Charles Weisbecker, *"The Affordances in Bipedal Traversal of Barriers"*
Eva Elizabeth Zervos, *"The Origins of Outsider Art: The Work and Ideas of Hans Prinzhorn and Jean Dubuffet"*

Prizes and Memorial Awards, 1983

Edward Oppenheimer Memorial Prizes—Christine Bellios, Timothy McKay

Tamara Lee Wefler Award—R. Scott Robb

Athlete/Scholar Award—Todd Pfister

Nicholas J. Wasylik Senior Athletic Award—Daniel Moriarty

Emma O. Haas Memorial Award for Merit in Scholarship—Patricia Matthews

Angela Knott Butler Prize for Studio Art—Robert Magie

Senior Prize in Art History—J. Diane Elftmann

Fredericka L. Stahl Memorial Award for Excellence in Science
Biology—Margaret Matthews
Chemistry—Patricia Matthews
Physics—Christopher Haney

Senior Prize in Comparative Literature—Karen Schmitt

Warren A. Peterson Memorial Award in Economics—Joanne Morlan

H. Murray Herlihy Prize in Economics—Todd Pfister

Senior Prize in Education—Kathryn Llerandi

Gail DeHerder Memorial Prize for Excellence in Creative Writing—M. Rachel Steele

McPherson Prize for Excellence in Scholarship
English—Beverly Croydon
French—R. Scott Pochron
German—James Kallinger
Philosophy—Marty Heitz
Theatre—Mark Cybulski, Nadine Milinkovic

Richard W. Hantke Award in History—William Mostow

Senior Prize in Independent Scholar Program—Lori Pierce

International Relations Award—Kevin Wilhelm

Senior Prize in Local & Regional Studies—Michael Belsky

Harold B. Curtis Prize in Mathematics—Karen Schmitt

Senior Prize in Politics—Thomas W. Price II

Sterling Price Williams Prize in Psychology—Kathryn Llerandi

Phi Beta Kappa Senior Thesis Award—Carol Heer

Essay Contest Award
First Prize—Jeffrey Smith
Second Prize—Beverly Croydon, Norma Glass
Honorable Mention—Timothy Hart

William L. Dunn Award—W. Rand Smith, Assistant Professor of Politics

Great Teacher Award—Ronald H. Miller, Lecturer in Religion and Coordinator of Interfaith Ministry

SENIORS ELECTED TO MEMBERSHIP IN HONORARY SOCIETIES

BETA BETA BETA (Biology)

Josephine Bellalta
Sean Caldwell
Maureen Hackett
John Halley
Margaret Matthews
Michelle Montag
Sheila Rich
Arthur V. Shannon
James Sullivan

Associate Members: Christopher Bowden & Patricia Matthews

KAPPA PHI KAPPA (Education)

Paula Bischoffer
Cynthia Cory
Michael Ebeling
Kathryn Llerandi
James Sullivan
Saundra Zessar

PHI SIGMA IOTA (Foreign Languages)

Kathleen Birmingham
John Buckles
Sean Caldwell
Giovanna del Greco
Bernard Doering
J. Diane Elftmann
Stephen Grundy-McCloskey
Polly Hill
Krystyna Hirata
James Kallinger
Katherine Kemper
Katherine Lee
Jessica Lind
Deborah Maass
Ruediger Nikolai
Lori Pierce
R. Scott Pochron
Kathleen Rooney
Karen Schmitt
M. Rachel Steele
Janet Story
Tamar Telser
Lori Trout
Kevin Wilhelm

SIGMA XI (Natural Sciences)

Christopher Bowden
Michelle del Rosario
Christopher Haney
Jeffrey Louch
Margaret Matthews
Patricia Matthews
Arthur V. Shannon

PHI SIGMA TAU (Philosophy)

Nanci Ellis
Marty Heitz
David Lothrop
Jay Rosenberg

SIGMA PI SIGMA (Physics)

Christopher Haney

PI SIGMA ALPHA (Politics)

Norma Glass
Eileen Kelliher
Suann Middleton
Thomas W. Price II
Kathleen Rooney

PSI CHI (Psychology)

Nanci Ellis
Alison Fischer
Sandra Getowicz
Katherine Kemper
Constance Kinast
Dennis Lambert
Kathryn Llerandi
A. Morgan Levine
David Lothrop
Nancy Remington
Nancy Salzwedel
James Sullivan
Charles Weisbecker
Margo Woodfork
Gordon Young

ALPHA PSI OMEGA (Theatre)

Cynthia Cory
Marty Heitz
Polly Hill

****

The following awards were presented at senior departmental meetings:

The American Institute of Chemists Award
Recipient: Jeffrey Louch

The Performance Prize in Music (Piano)
Recipient: Katherine Lee

Superlative Achievement in Linguistics Award
Recipient: James Kallinger

INDEX

Due to the nature of a college bulletin, some subjects are not covered in depth in this book. For that reason the following index is cross-referenced to the Lake Forest College Student Handbook to provide more information for those who wish full details. The Handbook is available upon request to the Office of the Dean of Students, Lake Forest College.

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Ednatha C. Scholz ..... Bulletin Editor

Section I

ADDITIONAL INFORMATION
about Lake Forest College is available by writing to the

DIRECTOR OF ADMISSIONS
. . . for admission forms, publications about the College, and materials outlining special academic programs on campus and off

DIRECTOR OF FINANCIAL AID
. . . for further details on requirements for and availability of financial aid

REGISTRAR
. . . for specifics on transcripts, registration, and transfers of credit

DEAN OF STUDENT AFFAIRS
. . . for particulars on housing arrangements and on extracurricular student activities.

SHOULD YOU BE VISITING LAKE FOREST COLLEGE
. . . the campus is located in the North Shore community of Lake Forest, approximately 25 miles north of Chicago via Edens Expressway and U.S. 41. The College Admissions Office is found on Middle Campus, corner Sheridan and College Rds., and is open for interviews and campus tours Monday through Friday, 9 a.m. to 4:30 p.m. the calendar year and Saturdays, 9 to 11:30 a.m. the academic year.

It is suggested that appointments for interviews and tours be made in advance of your visit to the Lake Forest College campus. Telephone (312) 234-3100.

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The campus coordinator for Title IX (prohibiting sex discrimination) is the Personnel Officer, to whom inquiries concerning Title IX may be referred. The campus coordinator for Section 504 of the Federal Rehabilitation Act of 1973 (prohibiting Handicap discrimination) is Mr. Gordon White, Assistant to the President of the College.

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